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(U.S.) Geological Survey, Columbia, SC. Water Resources Div.

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Water resources data for the 1971 water year for South Carolina consist of records of stage, discharge, and water quality of streams; stage, contents, and water quality of lakes and reservoirs; and water levels and water quality of wells and springs. This report contains discharge records for 62 gaging stations; stage and contents for 11 lakes and reservoirs; water quality for 38 gaging stations, and water levels for 8 observation wells. Also included are 11 crest-stage partial-record stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous measurements and analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in South Carolina.

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1971

Water Resources Data for South Carolina

Water Year 1971

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

MARCH 3, 1849

UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER DATA REPORT SC-71-1

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U. S. DEPARTMENT OF COMMERCE
SPRINGFIELD, VA. 22161

Prepared in cooperation with the State of South Carolina
and with other agencies

219

CALENDAR FOR WATER YEAR 1971

OCTOBER 1970

S	M	T	W	T	F	S
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

NOVEMBER 1970

S	M	T	W	T	F	S
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29	30					

DECEMBER 1970

S	M	T	W	T	F	S
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27	28	29	30	31		

JANUARY 1971

S	M	T	W	T	F	S
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31						

FEBRUARY 1971

S	M	T	W	T	F	S
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14	15	16	17	18	19	20
21	22	23	24	25	26	27
28						

MARCH 1971

S	M	T	W	T	F	S
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28	29	30	31			

APRIL 1971

S	M	T	W	T	F	S
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MAY 1971

S	M	T	W	T	F	S
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JUNE 1971

S	M	T	W	T	F	S
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20	21	22	23	24	25	26
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JULY 1971

S	M	T	W	T	F	S
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4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST 1971

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31				

SEPTEMBER 1971

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30		

1971

Water Resources Data for South Carolina Water Year 1971

Part 1. Surface Water Records

Part 2. Water Quality Records

Part 3. Ground Water Records

UNITED STATES
DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY WATER DATA REPORT SC-71-1

Prepared in cooperation with the State of South Carolina

Prepared in cooperation with

South Carolina Water Resources Commission
South Carolina State Development Board
South Carolina Public Service Authority
South Carolina State Highway Department
City of Spartanburg
Environmental Protection Agency
Corps of Engineers, U.S. Army
Atomic Energy Commission

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
2001 Assembly Street, Suite 200
Columbia, South Carolina 29201

1973

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WATER RESOURCES DATA FOR SOUTH CAROLINA, 1971

INTRODUCTION

Water resources data for the 1971 water year for South Carolina including records of streamflow or reservoir storage at gaging stations, records of water-quality data on the chemical and physical characteristics of surface water and ground water levels are given in this report. Records for a few pertinent gaging and water-quality stations in the State of Georgia are also included. The records were collected and computed by the Water Resources Division of the U.S. Geological Survey under the direction of J. S. Stallings, district chief. These data represent that portion of the National Water Data System collected by the U.S. Geological Survey and cooperating State and Federal agencies in South Carolina.

Through September 30, 1960, the records of discharge and stage of streams and contents and stage of lakes or reservoirs were published in an annual series of U.S. Geological Survey water-supply papers entitled, "Surface Water Supply of the United States."

Beginning with the 1961 water year, streamflow records and related data have been released by the Geological Survey in annual reports on a State-boundary basis. Distribution of these reports is limited; they are designed primarily for rapid release of data shortly after the end of the water year to meet local needs. The streamflow records for 1961-65 also are published in a Geological Survey water-supply paper series entitled, "Surface Water Supply of the United States 1961-65," and those for 1966-70 will be published in a similar series.

The Geological Survey has published records of chemical quality, suspended sediment, and water temperatures since 1941 in an annual series of water-supply papers entitled, "Quality of Surface Waters of the United States." Beginning with the 1964 water year, water-quality records also have been released on a State-boundary basis in conjunction with streamflow records or in a separate volume.

Through December 31, 1965, ground-water records which contain water-level data were published in the annual series of U.S. Geological Survey water-supply papers entitled "Water Levels and Artesian Pressures in Observation Wells in the United States." Since 1955 this series has been entitled "Ground-Water Levels in the United States." The calendar years 1956 through 1960 span a transition period wherein the water-supply papers are converted from presenting 1-year data to 5 years of data. Water-Supply Paper 1538 contains records of water levels in South Carolina for calendar years 1956-58 and Water-Supply Paper 1803 for calendar years 1958-63. Subsequent water-supply papers containing records for South Carolina will be issued for 5-year intervals. Beginning with the 1971 water year, ground-water data for South Carolina will be published on a State-boundary basis in conjunction with streamflow and water-quality records.

COOPERATION

The U.S. Geological Survey and organizations of the State of South Carolina have had cooperative agreements for the systematic collection of water records since 1930. Organizations that supplied data are acknowledged in station descriptions. Organizations that assisted in collecting data through cooperative agreement with the Survey are:

South Carolina Water Resources Commission, C. P. Guess, Jr., executive director.
South Carolina State Development Board, J. B. Manly, director.
South Carolina Public Service Authority, J. B. Thomason, general manager.
South Carolina State Highway Department, S. N. Pearman, chief highway commissioner.
City of Spartanburg, L. D. Cantrell, chairman of commissioners of public works.

Assistance in the form of funds or services was given by the Corps of Engineers, U.S. Army, in collecting records for 42 gaging stations, Atomic Energy Commission in collecting records for one gaging station, and by the Environmental Protection Agency in collecting water-quality records for 24 stations published in this report.

The following organizations aided in collecting records:

Duke Power Company; Greenwood County Electric Power Commission; South Carolina Electric and Gas Company; South Carolina Public Service Authority; and Carolina Power and Light Company.

DEFINITION OF TERMS

Definition of terms related to streamflow, water-quality, and other hydrologic data, as used in this report, are defined as follows:

Biochemical oxygen demand (BOD) is the amount of oxygen required by bacteria while stabilizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It is equivalent to 86,400 cubic feet, 1.9835 acre-feet, or 646,317 gallons, and represents a runoff of 0.0372 inch from 1 square mile.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters is determined by the immediate or delayed incubation membrane filter method.

Contents is the volume of water in a reservoir or lake. Unless otherwise indicated, volume is computed on the basis of a level pool and does not include bank storage.

Control designates a feature downstream from the gage that determines the stage-discharge relation at the gage. This feature may be a natural constriction of the channel, an artificial structure, or a uniform cross section over a long reach of the channel.

Cubic feet per second per square mile (CFSM) is the average number of cubic feet of water flowing per second from each square mile of area drained, assuming that the runoff is distributed uniformly in time and area.

Cubic foot per second (cfs) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids), that passes a given point within a given period of time.

Mean discharge is the arithmetic average of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at a particular instant of time. If this discharge is reported instead of the daily mean, the heading of the discharge column in the tables is "Discharge (cfs)."

Drainage area of a stream at a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified point. Figures of drainage area given herein include all closed basins, or noncontributing areas, within the area unless otherwise noted.

Gage height (G.H.) is the water-surface elevation referred to some arbitrary gage datum. Gage height is often used interchangeably with the general term "stage," although gage height is more appropriate when used with a reading on a gage.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those gaging stations where a continuous record of discharge is obtained.

Hardness of water is a physical-chemical characteristic attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Land surface datum (lsd) is a precise datum plane that is approximately at land surface at each ground-water observation well.

Measuring point (MP) is a permanent point from which the distance to the water surface in a well is measured to obtain the water level.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per liter (μg/l, UG/L) is a more precise unit for expressing the concentration of chemical constituents in solution. One thousand micrograms per liter is equivalent to one milligram per liter. See below.

Milligrams per liter (mg/l, MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter represents the weight of solute per unit volume of water. Milligrams or micrograms per liter may be converted to milliequivalents (one thousandth of a gram-equivalent weight of a constituent) per liter by multiplying by the factors in table 1, page 5. Concentration of suspended sediment also is expressed in mg/l, and is based on the weight of sediment per liter of water-sediment mixture. Sediment concentrations are determined in the laboratory as parts per million (ppm) and are converted to mg/l by using the factors in table 2, page 5.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by sieve and sedimentation methods.

Particle-size classification, used in this report, agrees closely with recommendations made by the American Geophysical Union Subcommittee on Sediment Terminology. The classification is as follows:

Clay: Smaller than 0.004 mm.
Silt: Between 0.004 and 0.062 mm.
Sand: Between 0.062 and 2.0 mm.
Gravel: Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed, and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Table 1.--Factors for conversion of chemical constituents in milligrams or micrograms per liter to milliequivalents per liter

Ion	Multi-ply by	Ion	Multi-ply by
Aluminum (Al^{+3})*	0.11119	Iodide (I^{-1})	0.00788
Ammonia as NH_4^{+1}	.05544	Iron (Fe^{+3})*	.05372
Barium (Ba^{+2})	.01456	Lead (Pb^{+2})*	.00965
Bicarbonate (HCO_3^{-1})	.01639	Lithium (Li^{+1})*	.14411
Bromide (Br^{-1})	.01251	Magnesium (Mg^{+2})	.08226
Calcium (Ca^{+2})	.04990	Manganese (Mn^{+2})*	.03640
Carbonate (CO_3^{-2})	.03333	Nickel (Ni^{+2})*	.03406
Chloride (Cl^{-1})	.02821	Nitrate (NO_3^{-1})	.01613
Chromium (Cr^{+6})*	.11539	Nitrite (NO_2^{-1})	.02174
Cobalt (Co^{+2})*	.03394	Phosphate (PO_4^{-3})	.03159
Copper (Cu^{+2})*	.03148	Potassium (K^{+1})	.02557
Cyanide (CN^{-1})	.03844	Sodium (Na^{+1})	.04350
Fluoride (F^{-1})	.05264	Strontium (Sr^{+2})*	.02283
Hydrogen (H^{+1})	.99209	Sulfate (SO_4^{-2})	.02082
Hydroxide (OH^{-1})	.05880	Zinc (Zn^{+2})*	.03060

*Constituent reported in micrograms per liter; multiply by factor and results by 1,000.

Table 2.--Factors for conversion of sediment concentration in parts per million to milligrams per liter*
(All values calculated to three significant figures)

Range of concentration (ppm)	Multi-ply by	Range of concentration (ppm)	Multi-ply by
0 - 15,900	1.00	322,000 - 341,000	1.26
16,000 - 46,800	1.02	342,000 - 361,000	1.28
46,900 - 76,500	1.04	362,000 - 380,000	1.30
76,600 - 105,000	1.06	381,000 - 399,000	1.32
106,000 - 133,000	1.08	400,000 - 416,000	1.34
134,000 - 159,000	1.10	417,000 - 434,000	1.36
160,000 - 185,000	1.12	435,000 - 451,000	1.38
186,000 - 210,000	1.14	452,000 - 467,000	1.40
211,000 - 233,000	1.16	468,000 - 483,000	1.42
234,000 - 256,000	1.18	484,000 - 498,000	1.44
257,000 - 279,000	1.20	499,000 - 514,000	1.46
280,000 - 300,000	1.22	515,000 - 528,000	1.48
301,000 - 321,000	1.24	529,000 - 542,000	1.50

*Based on water density of 1.000 g/ml and sediment density of 2.65 g/cc.

Runoff in inches (IN.) shows the depth to which the drainage area would be covered if all the runoff for a given time period were uniformly distributed on it.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited from water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, or by volume, that is discharged in a given time. It is computed by multiplying discharge times mg/l times 0.0027.

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Mean concentration is the time-weighted concentration of suspended sediment passing a stream section during a 24-hour day.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content in the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage-discharge relation is the relation between gage height and the amount of water flowing in a channel, expressed as volume per unit of time.

Thermograph is a thermometer that continuously and automatically records, on a chart, the water temperature of a stream. "Temperature recorder" is the term used to indicate the presence of a thermograph or a digital mechanism that automatically records water temperatures on paper tape.

WRD is used as an abbreviation for "Water-Resources Data" in the summary REVISIONS paragraph to refer to previously published state annual basic-data reports.

WSP is used as an abbreviation for "Water-Supply Paper" in references to previously published reports.

SPECIAL NETWORKS AND PROGRAMS

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimen will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Pesticide program is a network of regularly sampled water-quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water-quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBER

Records are listed in a downstream direction along the main stream, and stations on tributaries are listed between stations on the main stream in the order in which those tributaries enter the main stream. Stations on tributaries entering above all mainstream stations are listed before the first mainstream station. Stations on tributaries to tributaries are listed in a similar manner. In the lists of gaging stations and water-quality stations in the front of this report the rank of tributaries is indicated by indention, each indention representing one rank.

As an added means of identification, each gaging station, partial-record station, and water-quality station has been assigned a station number. These are in the same downstream order used in this report. In assigning station numbers, no distinction is made between partial-record stations and continuous-record gaging stations; therefore, the station number for a partial-record station indicates downstream order position in a list made up of both types of stations. Water-quality stations located at or near gaging stations or partial-record stations have the same number as the gaging or partial-record station. Gaps are left in the series of numbers to allow for new stations that may be established; hence, the numbers are not consecutive. The complete 8-digit number for each station, such as 02175000, which appears just to the left of the station name includes the 2-digit part number "02" plus the 6-digit downstream order number "175000." In this report, the records are listed in downstream order by parts. All records for a drainage basin encompassing more than one state can be arranged in downstream order by assembling pages from the various state reports by station number to include all records in the basin.

WELL NUMBERS

The well numbering system of the U.S. Geological Survey is based on the grid system of latitude and longitude. The number consists of 14 digits and one letter. The first 6 digits denote the degrees, minutes, and seconds of latitude followed by a letter denoting north or south. Seven digits following the letter denote degrees, minutes, and seconds of longitude. The last digit is a sequential number for wells within a 1-second grid. The system provides the geographic location of the well and a unique number for each well.

EXPLANATION OF SURFACE-WATER DATA

Collection and computation of data

The base data collected at gaging stations consist of records of stage and measurements of discharge of streams or canals, and stage, surface area, and contents of lakes or reservoirs. In addition, observations of factors affecting the stage-discharge relation or the stage-capacity relation, weather records, and other information are used to supplement base data in determining the daily flow or volume of water in storage. Records of stage are obtained from direct reading on a nonrecording gage or from a water-stage recorder that gives either a continuous graph of the fluctuations or a tape punched at 15-, 30-or 60-minute intervals. Measurements of discharge are made with a current meter, using the general methods adopted by the Geological Survey on the basis of experience in stream gaging since 1888. These methods are described in standard textbooks, in Water-Supply Paper 888, and in U.S. Geological Survey Techniques of Water Resources Investigations, book 3, chapter A6. Surface areas of lakes or reservoirs are determined from instrument surveys using standard methods. The configuration of the reservoir bottom is determined by sounding at many points.

For a stream-gaging station, rating tables giving the discharge for any stage are prepared from stage-discharge relation curves defined by discharge measurements. If extensions to the rating curves are necessary to define the extremes of discharge, they are made on the basis of indirect measurements of peak discharge (such as slope-area or contracted-opening measurements, computation of flow over dams or weirs), velocity-area studies, and logarithmic plotting. The application of the gage height to the rating table gives the discharge. The daily mean discharge is computed from gage heights, then the monthly and yearly mean discharge are computed from the daily figures. If the stage-discharge relation is subject to change because of frequent or continual change in the physical features that form the control, the daily mean discharge is determined by the shifting-control method, in which correction factors based on individual discharge measurements and notes by engineers and observers are used in applying the gage heights to the rating tables. If the stage-discharge relation for a station is temporarily changed by the presence of aquatic growth or debris on the control, the daily mean discharge is computed by what is basically the shifting-control method.

At some stream-gaging stations the stage-discharge relation is affected by backwater from reservoirs, tributary streams, or other sources. This necessitates the use of the slope method in which the slope or fall in a reach of the stream is a factor in determining discharge. Information required for determining the slope or fall is obtained by means of an auxiliary gage set at some distance from the base gage. At some stations the stage-discharge relation is affected by changing stage; at these stations the rate of change in stage is used as a factor in determining discharge.

For a lake or reservoir station, capacity tables giving the contents for any stage are prepared from stage-area relation curves defined by surveys. The application of the stage to the capacity table gives the contents, from which the daily, monthly, or yearly change in contents are computed. Discharge over spillways is computed from a stage-discharge relation curve defined by discharge measurements.

If the stage-capacity curve is subject to changes because of deposition of sediment in the reservoir, periodic resurveys of the reservoir are necessary to define new stage-capacity curves. During the period between reservoir surveys the computed contents may be increasingly in error due to the gradual accumulation of sediment.

For some gaging stations there are periods when no gage-height record is obtained or the recorded gage height is so faulty that it cannot be used to compute daily discharge or contents. This happens when the recorder stops or otherwise fails to operate properly, intakes are plugged, the float is frozen in the well, or for various other reasons. For such periods the daily discharges are estimated on the basis of recorded range in stage, adjoining good record, discharge measurements, weather records, and comparison with other station records from the same or nearby basins. Likewise daily contents may be estimated on the basis of operator's log, adjoining good record, inflow-outflow studies, and other information.

The data in this report generally comprise a description of the station and tabulations of basic data. For gaging stations on streams or canals a table showing the daily discharge and monthly and yearly discharge is given. For gaging stations on lakes and reservoirs a monthly summary table of stage and contents or table showing the daily contents is given. Records are published for the water year, which begins on October 1 and ends on September 30. A calendar for the 1971 water year is shown on the reverse side of the front cover to facilitate finding the day of the week for any date.

The description of the gaging stations gives the location, drainage area, period of record, type and history of gages, average discharge, extremes of discharge or contents, notations of revisions of previously published records, and general remarks. The location of the gaging station and the drainage area are obtained from the most accurate maps available. River mileage, given under "LOCATION" for some stations, is that determined and used by the Corps of Engineers or other agencies. Periods for which there are published records for the present station or for stations generally equivalent to the present one are given under "PERIOD OF RECORD." The type of gage currently in use, the datum of the present gage above mean sea level, and a condensed history of the types, locations, and datums of previous gages used during the period of record are given under "GAGE." In references to datum of gage, the phrase "mean sea level" denotes "Sea Level Datum of 1929" as used by the Topographic Division of the Geological Survey unless otherwise qualfied. The average discharge for the number of years indicated is given under "AVERAGE DISCHARGE;" it is not given for stations having fewer than 5 complete years of record or for stations where changes in water development during the period cause the figure to have little significance. In addition, the median of yearly mean discharges is given for stream-gaging stations having 10 or more complete years of record if the median differs from the average by more than 10 percent. The maximum discharge (or contents) and the maximum gage height, the minimum discharge if there is little or no regulation (or minimum contents) and the minimum gage height if it is significant are given under "EXTREMES." The minimum daily discharge is given if there is extensive regulation (also the minimum discharge and gage height if they are abnormally low). In the first paragraph headed "Current year," the data given are for the complete current water year unless otherwise specified. In the second paragraph under "EXTREMES" headed "Period of record:" the data given are for the period of record given in PERIOD OF RECORD paragraph. Reliable information concerning major floods that occurred outside the period of record is given in the third or last paragraph under "EXTREMES." Unless otherwise qualified, the maximum discharge (or contents) corresponds to the crest stage obtained by use of a water-stage recorder (graphic or digital), a crest-stage gage, or a nonrecording gage read at the time of the crest. If the maximum gage height did not occur at the same time as the maximum discharge (or contents), it is given separately. Information pertaining to the accuracy of the discharge records, to conditions that affect the natural flow at the gaging station, and availability of Water Quality records, is given under "REMARKS;" for reservoir stations information on the dam forming the reservoir, the capacity, outlet works and spillway, and purpose and use of the reservoir, is also under "REMARKS."

Previously published records of some stations have been found to be in error on the basis of data or information later obtained. Revisions of such records are usually published along with the current records in one of the annual or compilation reports. In order to make it easier to find such revised records, a paragraph headed "REVISIONS (WATER YEARS)" has been added to the description of all stations for which revised records have been published. Listed therein are all the reports in which revisions have been published, each followed by the water years for which figures are revised in that report. In listing the water years only one number is given; for instance, 1965 stands for the water year October 1, 1964, to September 30, 1965. If no daily, monthly, or annual figures of discharge were revised, that fact is brought out by notations after the year dates as follows: "(M)" means that only the instantaneous maximum discharge was revised; "(m)" that only the instantaneous minimum was revised; and

"(P)" that only peak discharges were revised. If the drainage area has been revised, the report in which the revised figure was first published is given. It should be noted that for all stations for which cubic feet per second per square mile and runoff in inches are published, a revision of the drainage area necessitates corresponding revision of all figures based on the drainage area. Revised figures of cubic feet per second per square mile and runoff in inches resulting from a revision of the drainage area only are usually not published in the annual series of reports.

Skeleton rating tables are published for stream-gaging stations where they serve a useful purpose and the dates of applicability can be easily identified.

Skeleton capacity tables are published for all reservoirs for which records of contents are published on a daily basis.

The daily table for stream-gaging stations gives the discharge corresponding to the daily mean gage height unless there are large or rapid changes in the discharge during a day. For days having large or rapid changes, discharge for the day is computed by averaging the mean discharge for several parts of a day. For digital recorders, the daily mean discharge is always the average of the discharges at each punched reading. For stations equipped with nonrecording gages, the daily discharge corresponds to once-daily readings of the gage or to the mean of twice-daily reading; but for periods of rapidly changing stage the discharge is determined from a gage-height graph based on gage readings.

The daily tables for reservoir stations give the contents corresponding to the water-surface elevation at a given time, usually at 2400 each day. For some reservoirs the elevation at a given time is given in the daily table.

The monthly summary is given below the daily table. For stream-gaging stations the line headed "TOTAL" gives the sum of the daily figures. The line headed "MEAN" gives the average flow in cubic feet per second during the month. The lines headed "MAX." and "MIN." give the maximum and minimum daily discharges, respectively, for the month. Discharge for the month also may be expressed in cubic feet per second per square mile (line headed "CFSM."), or in inches (line headed "IN."). Figures for cubic feet per second per square mile and runoff in inches are omitted if there is extensive regulation of diversion, if the drainage area includes large noncontributing areas, or if the average rainfall on the drainage basin is usually less than 20 inches.

For reservoir stations, the monthly summary gives the elevation (or gage height) at the end of the month and the change in contents during the month. If elevation or gage height is given in the daily table, the monthly summary gives the contents at the end of the month, rather than the elevation or gage height.

In the yearly summary below the monthly summary, the figures of maximum are the maximum daily discharges for the calendar and water years; likewise, the minimums in this summary are minimum daily discharges.

For reservoir stations the yearly summary gives the change in contents for the calendar year and for the water year. For some reservoirs the yearly evaporation also is included.

Peak discharges and their times of occurrence and corresponding gage heights for many stations are listed below the yearly summary. All independent peaks above the selected base are given. The base discharge, which is given in parentheses, is selected so that an average of about three peaks a year can be presented. Peak discharges are not published for any canals, ditches, drains, or for any stream for which the peaks are subject to substantial control by man. Time of day is expressed in 24-hour local standard time; for example, 12:30 a.m. is 0030, 1:30 p.m. is 1330.

In a general footnote, introduced by the word "NOTE," certain periods are indicated for which the discharge is computed or estimated by special methods because of no gage-height record, backwater from various sources, or other unusual conditions. Periods of no gage-height record are indicated if the period is continuous for a month or more or includes the maximum discharge for the year. Periods of backwater from an unusual source, of indefinite stage-discharge relation, or of any other unusual condition at the gage are indicated only if they are a month or more in length and the accuracy of the records is affected. Days on which the stage-discharge relation is affected by ice are not indicated. The methods used in computing discharge for various unusual conditions have been explained in preceding paragraphs. Footnotes to reservoir tables explain the use of new capacity tables or for other special conditions.

Accuracy of Data

The accuracy of discharge data depends primarily on (1) the stability of the stage-discharge relation, or if the control is unstable, the frequency of discharge measurements, and (2) the accuracy of observations of stage, measurements of discharge, and interpretation of records.

The station description under "REMARKS" states the degree of accuracy of the records. "Excellent" means that about 95 percent of the daily discharges is within 5 percent; "good" within 10 percent; and "fair" within 15 percent. "Poor" means that daily discharges have less than "fair" accuracy.

Figures of daily mean discharge in this report are shown to the nearest hundredth of a cubic foot per second for discharges of less than 1 cfs; to tenths between 1.0 and 10 cfs; to whole numbers between 10 and 1,000 cfs; and to 3 significant figures above 1,000 cfs. The number of significant figures used is based solely on the magnitude of the figure. The same rounding rules apply to discharge figures listed for partial-record stations and miscellaneous sites.

Discharge at many stations, as indicated by the monthly mean, may not reflect natural runoff due to the effects of diversion, consumptive use, regulation, evaporation or other factors. For these stations, discharge in cubic feet per second per square mile and runoff in inches are not published unless satisfactory adjustments can be made for such effects. Evaporation from a reservoir is not included in the adjustments for changes in reservoir contents, unless it is so stated. Even at those stations where adjustments are made, large errors in computed runoff may occur if adjustments or unadjusted losses (consumptive use, evaporation, seepage, etc.) are large in comparison with the observed discharge.

Publications

In each water-supply paper entitled, "Surface Water Supply of the United States" there is a list of numbers of preceding water-supply papers containing streamflow information for the area covered by that report. In addition, there is a list of numbers of water-supply papers containing detailed information on major floods in the area. Records for stations in South Carolina for the period October 1960 to September 1965 are in Water-Supply Paper 1904.

Two series of summary reports entitled, "Compilation of Records of Surface Waters of the United States" have been published; the first series covers the entire period of record through September 1950 and the second series covers the period October 1950 to September 1960. These reports contain summaries of monthly and annual discharge and monthend storage for all previously published records, as well as some records not contained in the annual series of water-supply papers. All records were reexamined and revised where warranted. Estimates of discharge were made to fill short gaps whenever practical. The yearly summary table for each gaging station lists the numbers of the water-supply papers in which daily records were published for that station.

Records for stations in South Carolina are compiled in Water-Supply Paper 1303 through September 1950, and in 1723 for October 1950 to September 1960.

Special reports on major floods or droughts or of other hydrologic studies for the area have been issued in publications other than water-supply papers. Information relative to these reports may be obtained from the district office.

Other Data Available

Data collected at partial-record stations are given at the end of the surface-water records in this report. The table gives the annual maximum stage and discharge at crest-stage stations.

Information of a more detailed nature than that published for most of the gaging stations, such as discharge measurements, gage-height records, and rating tables, is on file in the district office. Also most gaging-station records are available in computer-usable form and many statistical analyses have been made.

EXPLANATION OF WATER-QUALITY DATA

Collection and examination of data

Water samples for analyses usually are collected at or near gaging stations. The discharge records at these stations are used in conjunction with the computations of the chemical constituents and sediment loads in this report.

Descriptive statements are given for water-quality stations located at or near streamflow stations. Given are location, drainage area, periods of record for the various water-quality data, extremes of pertinent data, and general remarks, in a format similar to that used for streamflow gaging stations. For ground-water stations, no descriptive statements are given; however, the well number, depth of well, date of sampling, and other pertinent data are given in the table containing the chemical analyses of the ground water.

Data on the quality of surface water were collected from designated sampling sites (map on page 24) at predetermined intervals such as once daily, weekly, monthly, or less frequently.

Water-quality information is presented for chemical quality, microbiological, water temperature, and fluvial sediment. Chemical quality includes concentrations of individual dissolved constituents and certain properties or characteristics such as hardness, specific conductance, and pH. Microbiological information includes quantitative identification of certain bacteriological indicator organisms. Water-temperature data represent once-daily observations except for stations where a continuous temperature recorder furnished information from daily minimums and maximums are obtained. Fluvial-sediment information is given for suspended-sediment discharges and concentrations and for particle-size distribution of suspended sediment.

Prior to the 1968 water year, data for chemical constituents and concentration of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l) and water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter. To convert temperatures in degrees Fahrenheit to degrees Celsius, see table 3, page 17.

In October 1968, the Geological Survey began reporting many of the chemical constituents as well as the minor elements in micrograms per liter instead of milligrams per liter. (See "Definition of Terms," p. 4.).

Solutes

The methods of collecting and analyzing water samples for determining the kinds and concentrations of solutes are described by Brown, Skougstad, and Fishman (1970). One sample can define adequately the water quality at a given time if the mixture of solutes throughout the stream cross section is homogenous. However, the concentration of solutes at different locations in the cross section may vary widely with different rates of water discharge, depending on the source of material and the turbulence and mixing of the stream. Some streams must be sampled at several verticals across the channel to determine accurately the solute load.

Ground-water quality does not change significantly during short periods of time; infrequent sampling and analysis of ground water adequately define ground-water quality at a given site.

Table 3.--Degrees Fahrenheit (°F) to degrees Celsius (°C)*
(Temperature reported to nearest 0.5°C)

°F	°C	°F	°C	°F	°C	°F	°C	°F	°C
32	0.0	50	10.0	68	20.0	86	30.0	104	40.0
33	.5	51	10.5	69	20.5	87	30.5	105	40.5
34	1.0	52	11.0	70	21.0	88	31.0	106	41.0
35	1.5	53	11.5	71	21.5	89	31.5	107	41.5
36	2.0	54	12.0	72	22.0	90	32.0	108	42.0
37	3.0	55	13.0	73	23.0	91	33.0	109	43.0
38	3.5	56	13.5	74	23.5	92	33.5	110	43.5
39	4.0	57	14.0	75	24.0	93	34.0	111	44.0
40	4.5	58	14.5	76	24.5	94	34.5	112	44.5
41	5.0	59	15.0	77	25.0	95	35.0	113	45.0
42	5.5	60	15.5	78	25.5	96	35.0	114	45.5
43	6.0	61	16.0	79	26.0	97	36.0	115	46.0
44	6.5	62	16.5	80	26.5	98	36.5	116	46.5
45	7.0	63	17.0	81	27.0	99	37.0	117	47.0
46	8.0	64	18.0	82	28.0	100	38.0	118	48.0
47	8.5	65	18.5	83	28.5	101	38.5	119	48.5
48	9.0	66	19.0	84	29.0	102	39.0	120	49.0
49	9.5	67	19.5	85	29.5	103	39.5	121	49.5

*C = 5/9 (°F - 32) or °F = 9/5 (°C) + 32.

Temperature

Water temperatures are measured at most of the water-quality stations. For daily stations, the water temperatures are taken about the same time each day when sample is collected. Large streams have a small diurnal temperature change while small, shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. Some streams may be affected by waste-heat discharges.

At stations where continuously recording thermographs are present, the records consist of maximum and minimum temperatures for each day and the monthly averages.

Sediment

Suspended-sediment concentrations are determined from samples collected by using depth-integrating samplers. Samples usually are obtained at several verticals in the cross-section, or a single sample may be obtained at a fixed point and a coefficient applied to determine the mean concentration in the cross-sections.

During periods of rapidly changing flow or rapidly changing concentration, samples may have been collected more frequently (twice daily or, in some instances, hourly). The published sediment discharges for days of rapidly changing flow or concentration were computed by the subdivided day method (time-discharge weighted average). Therefore, for those days when the published sediment discharge value differs from the value computed as the product of discharge times mean concentration times 0.0027, the reader can assume that the sediment discharge for that day was computed by the sub-divided day method. For periods when no samples are collected, daily loads of suspended sediment are estimated on the basis of water discharge, sediment concentrations observed immediately before and after the periods, and suspended-sediment loads for other periods of similar discharge.

At other stations, suspended-sediment samples are collected periodically at many verticals in the stream cross-section. Although data collected periodically may represent conditions only at the time of observation, such data are useful in establishing seasonal relations between quality and streamflow in predicting long-term sediment-discharge characteristics of the stream.

In addition to the records of the quantities of suspended sediment, records of periodic measurements of the particle-size distribution of the suspended sediment are included.

Publications

The annual series of water-supply papers that contain information on quality of surface waters in South Carolina are listed below.

Water year	WSP No.	Water year	WSP No.
1941	942	1955	1400
1942	950	1956	1450
1943	970	1957	1520
1944	1022	1958	1571
1945	1030	1959	1641
1946	1050	1960	1741
1947	1102	1961	1881
1948	1132	1962	1941
1949	1162	1963	1947
1950	1186	1964	1954
1951	1197	1965	1961
1952	1250	1966	1991
1953	1290	1967	2011
1954	1350	1968	2092

EXPLANATION OF GROUND-WATER DATA

Collection and Reporting of Data

South Carolina is a water-rich area of the United States and as such has a tremendous potential for the development of its ground-water resources. It is necessary however, that this resource be developed along sound geologic and hydrologic guidelines.

Ground-water data can be divided generally into two types--geologic and hydrologic. The geology of an area forms the framework for the hydrology. Therefore, for a complete knowledge of the ground-water conditions both types of data are essential. Geologic data are collected mostly from well cuttings and cores obtained during drilling. Potential water zones, lithology and stratigraphy are verified from certain geophysical logs. Hydrologic data are obtained from water levels, pumping levels, and pumping tests. The combined geologic and hydrologic data give some clues to the ground-water resources of the area.

A network of observation wells have been established throughout the State that are equipped with continuous water-level recording devices which monitor the fluctuations of the water surface in the various aquifers. The record of water levels for eight wells has been compiled and included in this report.

HYDROLOGIC CONDITIONS

Streamflow during the 1971 water year was generally above normal over the State, with flows during February through September being excessive (in the highest 25 percent of record) for the eastern section. Accumulative runoff for the water year at Lynches River at Effingham, as compared with the normal, was excessive by 3.95 inches.

The water year began with streamflow below normal. The first general rains for two months came during October causing most streams to return to normal conditions.

Heavy rains during the first week of March produced moderate to heavy flooding in all areas except the mountain. Some small and medium-sized streams experienced flood peaks with a recurrence interval between 15 and 40 years. The more notable flood occurred on the Black River at Gable, which was equal in magnitude to the 100-year flood.

Rains, more than double the normal amount, occurred in mid-August during the passage of tropical storm Doria causing minor flooding in some coastal areas.

Figure 2, on page 23 , for which records of three long-term representative gaging stations were used, shows a comparison of the monthly and yearly mean discharges for the 1971 water year with the corresponding median discharges for the water years 1931-60.

Ground-water conditions in South Carolina during the 1971 water year have not changed markedly throughout the State except locally in the areas of heavy pumping. Recharge to the water table aquifers from precipitation is rapidly seen in the rise of water levels in shallow wells as is decline during periods of drought. Recharge to the deeper artesian aquifers which furnish most of the water to the municipal and industrial wells in the State is not readily reflected in the rise or decline of the pressure head during wet or dry periods.

Declines in the potentiometric surface of the water have occurred in areas where heavy pumping, confined to closely spaced wells, has exerted a stress on the system beyond the capacity of the aquifer to supply water to overcome the stress. However, this condition has not resulted in a permanent dewatering of the aquifer as seen in the recovery of the water levels when pumping is discontinued. Even in areas where water is pumped seasonally with the heaviest withdrawals during the summer months the downward water level trend will fluctuate upward during period of lighter off-season pumping.

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_____ 1961, The single stage sampler for suspended sediment: Rept. 13.

_____ 1963, Determinations of fluvial sediment discharge: Rept. 14.

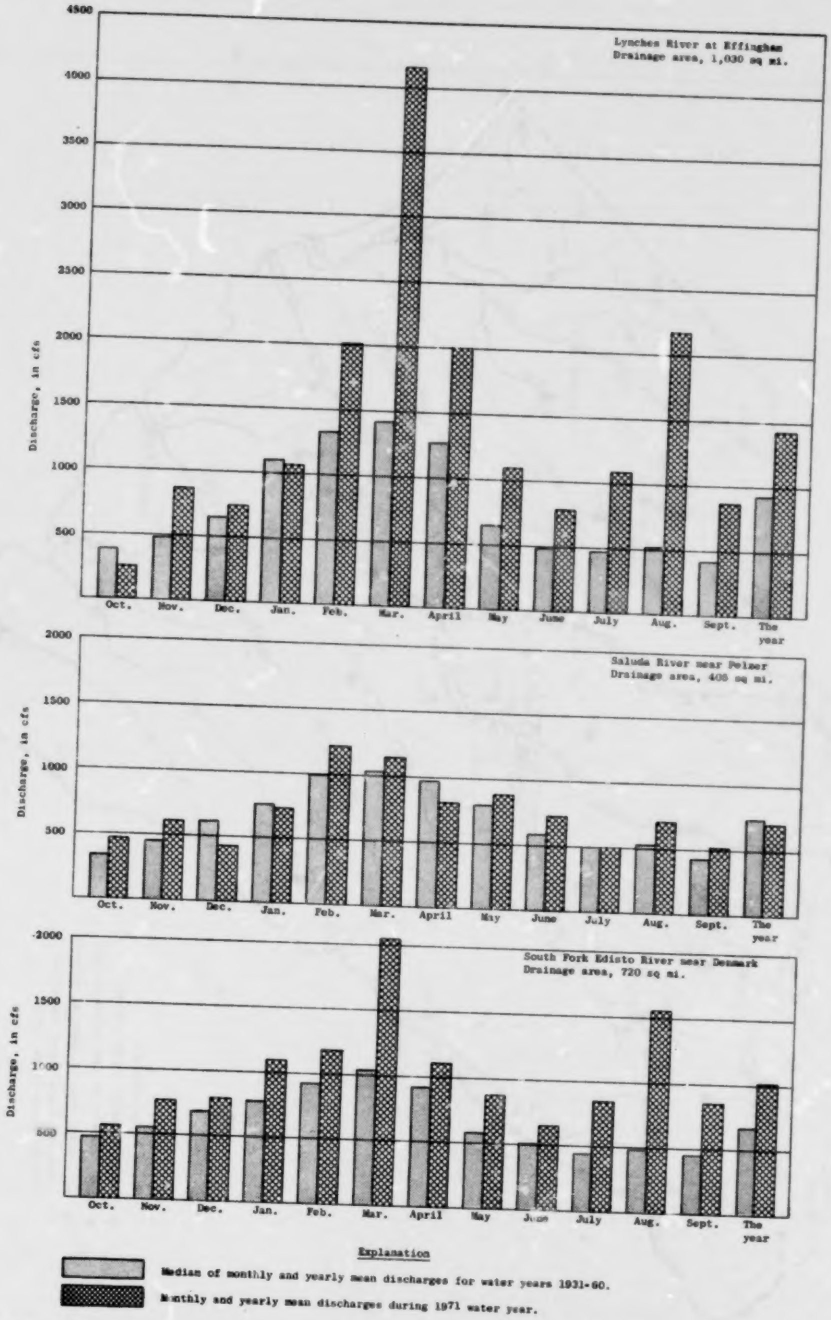

Figure 2. Comparison of discharge at three long-term representative gaging stations during 1971 water year with median discharge for water years 1931-60.

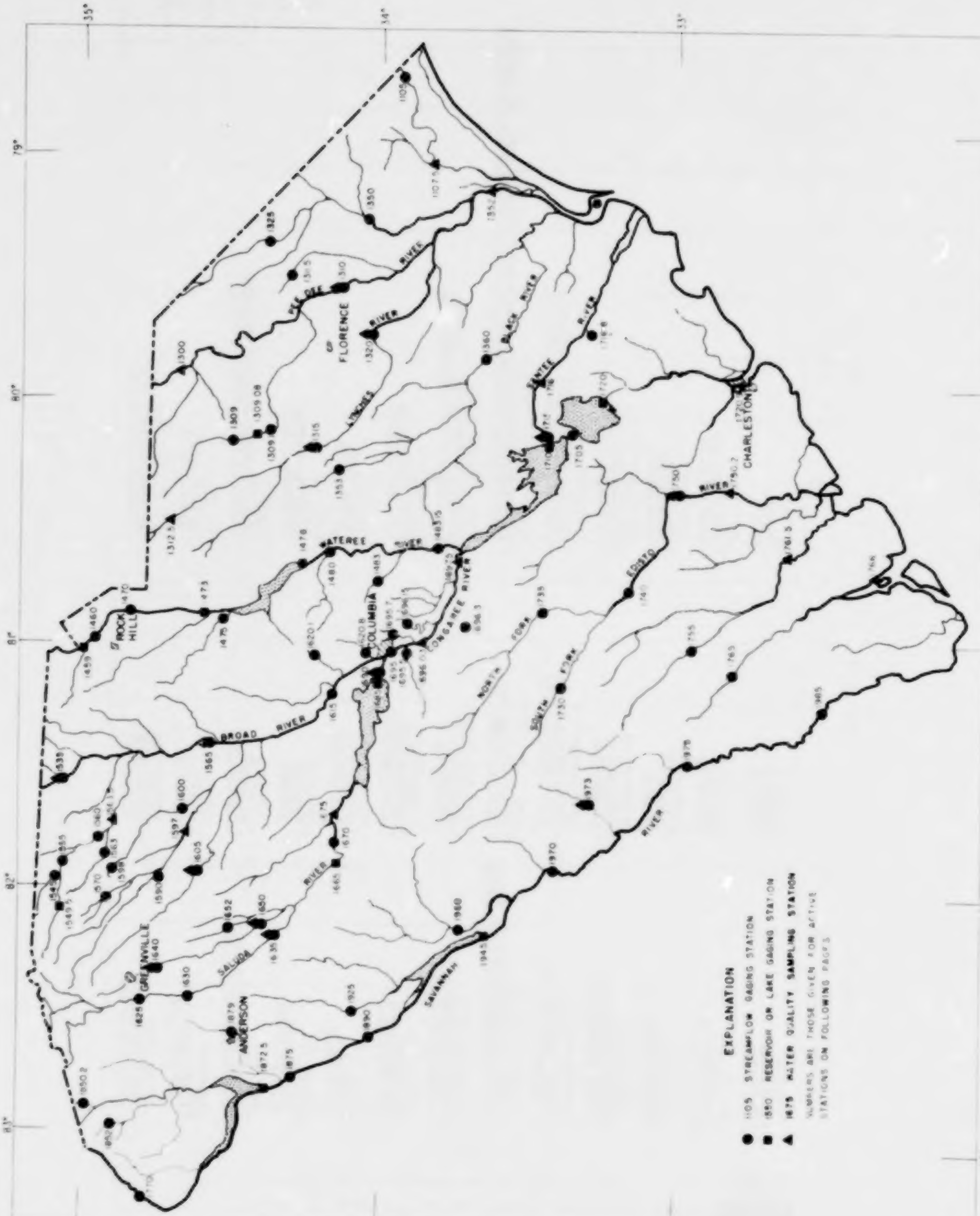
35°
34°
33°
79°
80°
81°
82°
83°
PEE DEE RIVER
LYNCHES RIVER
BLACK RIVER
SANTEE RIVER
WATEREE RIVER
CONGAREE RIVER
BROAD RIVER
SALUDA RIVER
SAVANNAH RIVER
EDISTO RIVER
NORTH FORK
SOUTH FORK
FLORENCE
ROCK HILL
COLUMBIA
GREENVILLE
ANDERSON
CHARLESTON
EXPLANATION
● 1105 STREAMFLOW GAGING STATION
■ 1550 RESERVOIR OR LAKE GAGING STATION
▲ 1675 WATER QUALITY SAMPLING STATION
NUMBERS ARE THOSE GIVEN FOR ACTIVE STATIONS ON FOLLOWING PAGES

Figure 1. Map of South Carolina showing location of active stations.

WACCAMAW RIVER BASIN

02110500 Waccamaw River near Longs, S.C.

LOCATION.--Lat 33°54'45", long 78°42'55", Horry County, near right bank on downstream side of bridge on State Highway 9, 500 ft downstream from Buck Creek, 2.1 miles southeast of Longs, and at mile 85.4.

DRAINAGE AREA.--1,110 sq mi, approximately.

PERIOD OF RECORD.--March 1950 to current year.

GAGE.--Water-stage recorder. Datum of gage is 5.28 ft above mean sea level (levels by Corps of Engineers). Prior to Aug. 11, 1967, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--21 years, 1,183 cfs (14.47 inches per year).

EXTREMES.--Current year: Maximum discharge, 8,300 cfs Mar. 12 (gage height, 12.85 ft); minimum, 108 cfs June 16 (gage height, 2.23 ft).
Period of record: Maximum discharge, 11,100 cfs about July 6, 1961 (gage height, 13.94 ft, from floodmark); minimum, 1 cfs Oct. 14, 1954.

REMARKS.--Records good, except for periods of no gage-height record which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	640	3,070	1,620	1,020	3,150	2,180	2,180	1,250	361	1,640	916	4,620
2	610	3,150	1,510	996	3,150	2,530	2,170	1,250	344	1,590	921	4,180
3	570	2,970	1,410	975	3,100	3,190	2,150	1,250	332	1,570	1,010	3,800
4	530	2,750	1,310	960	3,070	3,680	2,200	1,200	322	1,480	1,250	3,540
5	500	2,500	1,210	1,040	3,070	3,830	2,200	1,150	311	1,370	1,620	3,290
6	460	2,280	1,100	1,130	3,020	4,280	2,300	1,100	294	1,300	2,010	3,050
7	420	2,120	999	1,160	2,960	5,140	2,350	1,050	275	1,280	2,160	2,860
8	390	2,000	903	1,200	3,000	6,200	2,350	970	254	1,220	2,200	2,740
9	346	1,900	818	1,490	2,990	7,160	2,450	910	262	1,140	2,200	2,630
10	301	1,820	738	1,710	2,910	7,830	2,500	840	380	1,080	2,200	2,490
11	262	1,890	665	1,810	2,820	8,200	2,550	780	278	1,010	2,180	2,340
12	230	1,820	603	1,900	2,780	8,250	2,600	740	213	927	2,140	2,160
13	203	1,700	547	1,990	2,840	8,070	2,600	708	176	847	2,070	1,950
14	182	1,590	498	2,060	2,820	7,210	2,650	682	149	767	1,940	1,770
15	164	1,520	456	2,170	2,780	6,690	2,700	636	128	670	1,890	1,620
16	149	1,470	456	2,300	2,730	6,190	2,650	676	114	567	2,770	1,490
17	134	1,450	705	2,350	2,660	5,600	2,650	680	142	473	4,040	1,370
18	124	1,490	800	2,360	2,600	5,020	2,600	666	194	382	6,440	1,270
19	117	1,560	850	2,330	2,530	4,480	2,500	654	397	306	7,090	1,160
20	114	1,650	894	2,280	2,470	3,950	2,350	640	513	320	6,720	1,080
21	196	1,730	936	2,230	2,410	3,490	2,200	628	567	969	6,440	1,000
22	495	1,810	978	2,190	2,340	3,130	2,050	615	598	1,030	6,340	949
23	855	1,880	1,010	2,160	2,290	2,860	1,900	596	630	1,010	6,390	1,030
24	1,200	1,930	1,040	2,160	2,210	2,570	1,750	574	697	1,050	6,670	992
25	1,470	1,960	1,060	2,300	2,120	2,360	1,650	548	769	1,060	6,720	941
26	1,660	1,970	1,070	2,820	2,030	2,600	1,550	518	913	1,010	6,570	878
27	1,730	1,950	1,070	2,960	2,010	2,630	1,450	485	1,380	941	6,870	816
28	1,770	1,900	1,060	2,910	2,000	2,470	1,400	455	1,720	849	6,900	754
29	1,790	1,820	1,040	2,850	------	2,340	1,350	429	1,780	847	6,320	684
30	1,940	1,730	1,040	2,840	------	2,270	1,300	406	1,740	941	5,720	619
31	2,570	------	1,040	3,000	------	2,200	------	383	------	899	5,140	------
TOTAL	22,122	59,380	29,436	61,651	74,860	138,600	65,300	23,469	16,233	30,545	123,847	58,073
MEAN	714	1,979	950	1,989	2,674	4,471	2,177	757	541	985	3,995	1,936
MAX	2,570	3,150	1,620	3,000	3,150	8,250	2,700	1,250	1,780	1,640	7,090	4,620
MIN	114	1,450	456	960	2,000	2,180	1,300	383	114	306	916	619
CFSM	.64	1.78	.86	1.79	2.41	4.03	1.96	.68	.49	.89	3.60	1.74
IN.	.74	1.99	.99	2.07	2.51	4.64	2.19	.79	.54	1.02	4.15	1.95

CAL YR 1970 TOTAL 465,145 MEAN 1,274 MAX 6,010 MIN 20 CFSM 1.15 IN 15.59
WTR YR 1971 TOTAL 703,516 MEAN 1,927 MAX 8,250 MIN 114 CFSM 1.74 IN 23.58

NOTE.--No gage-height record Apr. 2 to May 11.

02130600 Cedar Creek at Society Hill, S.C.

LOCATION.--Lat 34°31'30", long 79°51'05", Darlington County, on upstream side of old highway bridge, 300 ft below U.S. Highway 52, 0.3 mile upstream from Seaboard Coast Line Railroad, at Society Hill, and at mile 1.70.

DRAINAGE AREA.--55 sq mi, approximately.

PERIOD OF RECORD.--October 1970 to current year. Occasional low-flow measurements, water years 1949-65.

GAGE.--Water-stage recorder. Altitude of gage is 70 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 1,030 cfs Mar. 6 (gage height, 10.13 ft); minimum daily, 18 cfs July 18.
Period of record: Maximum discharge, that of Mar. 6, 1971; minimum daily, that of July 18, 1971.

REMARKS.--Records good except those for periods of backwater, which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	30	162	45	76	132	124	205	92	65	43	220	91
2	30	323	44	84	136	160	184	84	54	40	259	85
3	25	210	44	88	154	315	144	84	41	63	175	76
4	25	113	43	88	143	648	127	79	37	71	115	72
5	25	99	42	88	139	800	117	73	34	48	83	70
6	25	83	42	85	138	795	134	71	31	44	64	69
7	25	72	41	81	145	649	156	56	29	77	58	65
8	25	64	41	78	160	348	157	63	27	77	51	61
9	20	58	41	86	196	200	160	62	26	78	46	58
10	20	55	41	81	210	154	134	52	28	47	41	61
11	20	59	41	95	200	142	113	62	43	58	33	65
12	20	62	42	99	180	132	108	55	51	41	34	70
13	20	65	43	97	142	126	102	60	54	30	34	79
14	20	66	43	91	124	121	97	64	46	29	41	86
15	20	65	43	99	115	121	93	90	41	36	46	87
16	20	60	60	113	112	120	90	100	40	23	113	82
17	20	55	114	118	107	120	90	190	50	20	332	73
18	25	55	143	130	102	110	87	230	61	18	446	65
19	25	50	237	127	96	110	85	200	72	19	341	64
20	33	50	186	125	93	110	82	150	86	40	318	68
21	40	49	132	90	91	110	81	46	113	56	249	70
22	64	48	106	88	100	110	81	51	103	60	209	74
23	73	48	93	84	193	110	86	53	84	63	153	91
24	75	47	85	83	254	106	108	49	65	72	119	90
25	70	46	79	96	310	101	111	45	61	54	102	79
26	75	45	76	114	206	153	118	44	54	78	96	71
27	70	45	72	123	153	227	118	41	66	71	106	66
28	72	46	70	126	130	281	108	42	62	65	135	61
29	70	46	70	121	-------	200	102	55	178	68	175	58
30	66	45	70	109	-------	271	95	65	136	105	130	55
31	78	-------	72	120	-------	223	-------	68	-------	191	107	-------
TOTAL	1,227	2,322	2,301	3,083	4,261	7,350	3,473	2,537	1,874	1,467	4,565	2,152
MEAN	39.6	77.4	74.2	99.5	152	237	116	81.8	62.5	52.8	147	71.7
MAX	78	323	237	130	310	800	205	230	178	191	446	91
MIN	20	45	41	76	91	101	81	41	26	18	33	55
CFSM	.72	1.41	1.35	1.81	2.76	4.31	2.11	1.49	1.14	1.14	2.67	1.30
IN.	.83	1.57	1.56	2.09	2.88	4.97	2.35	1.72	1.27	1.32	3.09	1.46

WTR YR 1971 TOTAL 37,092 MEAN 102 MAX 800 MIN 18 CFSM 1.85 IN 25.09

NOTE.--Backwater from Pee Dee River Feb. 8-13, Mar. 5, 6, May 15-20.

02130900 Black Creek near McBee, S.C.

LOCATION.--Lat 34°30'50", long 80°11'00", Chesterfield County, near right bank at downstream side of bridge on U.S. Highway 1, 0.2 mile upstream from Little Alligator Creek, 5.3 miles northeast of McBee, and at mile 59.1.

DRAINAGE AREA.--108 sq mi.

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1956-59.

GAGE.--Water-stage recorder. Datum of gage is 224.72 ft above mean sea level. Prior to Dec. 22, 1959, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--12 years, 171 cfs (21.50 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,120 cfs Aug. 19 (gage height, 10.44 ft); minimum, 54 cfs Oct. 9, 10.
Period of record: Maximum discharge, that of Aug. 19, 1971; minimum, 21 cfs Sept. 25, 1968 and Oct. 3, 1968.
A discharge of 19.9 cfs was measured on Sept. 18, 1956.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	94	325	135	166	192	212	340	175	210	194	266	236
2	77	516	131	176	191	229	320	165	201	171	369	235
3	70	676	125	177	190	372	280	162	154	165	378	222
4	66	462	115	173	189	540	280	160	117	172	242	203
5	61	335	112	170	189	768	280	156	104	151	246	183
6	58	274	106	170	189	736	280	151	98	138	429	178
7	57	235	106	171	196	506	298	146	93	153	584	203
8	57	208	103	176	199	348	325	146	86	172	384	188
9	57	186	102	216	208	286	328	153	88	185	260	163
10	57	178	106	205	230	272	296	152	104	184	217	165
11	63	197	111	216	360	267	255	148	109	136	243	197
12	65	200	114	217	372	270	242	156	94	110	256	200
13	65	185	117	227	325	243	230	223	88	104	212	175
14	64	191	117	223	290	254	206	282	90	117	184	165
15	61	193	116	185	256	260	195	438	97	121	228	159
16	66	187	148	175	242	296	192	568	107	108	248	158
17	73	181	232	191	235	318	191	544	199	88	426	169
18	88	174	252	214	232	290	187	540	262	80	728	177
19	81	159	267	229	216	268	182	435	387	79	1,070	166
20	79	165	381	230	209	252	177	310	438	133	930	160
21	139	160	335	240	194	223	179	240	414	208	640	161
22	139	154	258	256	192	224	175	204	306	284	456	204
23	141	149	224	270	239	220	181	175	315	306	342	217
24	141	146	197	286	270	270	212	167	444	387	315	199
25	155	142	185	252	246	240	222	159	378	287	302	114
26	162	141	184	223	244	260	229	152	276	236	256	109
27	147	138	175	215	243	260	272	143	262	278	224	105
28	140	136	157	208	228	280	264	138	254	435	226	96
29	138	135	140	199	------	300	233	182	214	366	240	138
30	165	135	139	200	------	340	281	191	191	284	248	134
31	282	------	146	190	------	340	------	195	------	261	233	------
TOTAL	3,108	6,683	5,138	6,430	6,562	9,886	7,252	7,137	6,184	5,978	11,482	5,179
MEAN	100	223	166	207	234	319	242	230	206	193	370	173
MAX	282	676	381	286	372	768	340	568	444	435	1,070	236
MIN	57	135	102	166	189	212	175	138	86	79	184	96
CFSM	.93	2.06	1.54	1.92	2.17	2.95	2.24	2.13	1.91	1.79	3.43	1.60
IN.	1.07	2.30	1.77	2.21	2.26	3.40	2.50	2.46	2.13	2.06	3.95	1.78

CAL YR 1970 TOTAL 50,783 MEAN 139 MAX 676 MIN 27 CFSM 1.29 IN 17.49
WTR YR 1971 TOTAL 81,017 MEAN 222 MAX 1,070 MIN 57 CFSM 2.06 IN 27.91

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-03	0300	9.63	732	8-07	0700	9.32	608
3-05	2100	9.86	830	8-19	1430	10.44	1,120
5-16	0700	9.23	572				

02130910 Black Creek near Hartsville, S.C.

LOCATION.--Lat 34°23'50", long 80°09'00", Darlington County, at downstream side of highway bridge, 1,000 ft downstream from dam at H. B. Robinson steam electric plant, 2.1 miles upstream from Beaverdam Creek, 4.6 miles west of Hartsville, and at mile 49.9.

DRAINAGE AREA.--173 sq mi.

PERIOD OF RECORD.--October 1960 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (from topographic map).

AVERAGE DISCHARGE.--11 years, 235 cfs (18.45 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,010 cfs Aug. 18 (gage height, 10.08 ft); minimum, 84 cfs July 16.
Period of record: Maximum discharge, that of Aug. 18, 1971; minimum, 51 cfs July 14, 1970.

REMARKS.--Records good. Some regulation by storage in steam electric plant reservoir above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	132	390	171	197	344	310	434	281	213	280	370	273
2	132	405	172	197	360	338	428	265	219	280	390	286
3	129	474	169	201	329	484	423	259	222	281	380	281
4	130	532	168	203	265	602	369	241	213	260	380	273
5	122	563	161	210	270	632	369	225	202	250	358	268
6	118	501	159	212	276	670	388	218	190	248	344	232
7	116	425	154	209	294	681	380	212	173	246	365	251
8	114	380	140	211	322	577	380	206	161	240	340	302
9	111	287	144	227	392	525	380	210	159	239	383	269
10	111	240	144	233	436	416	385	208	158	238	365	221
11	112	245	145	240	456	360	374	202	154	229	352	161
12	115	238	158	244	456	316	356	194	150	223	348	173
13	113	237	150	244	448	290	340	211	149	200	367	179
14	112	234	150	244	425	310	332	238	149	187	315	180
15	113	233	160	286	402	318	304	283	152	180	292	182
16	118	230	190	293	329	336	290	464	150	143	417	182
17	110	221	230	292	286	344	277	620	145	86	752	185
18	108	215	273	293	290	344	270	588	160	89	844	196
19	110	209	300	281	261	340	261	510	170	102	1,160	210
20	122	205	308	263	279	344	252	465	180	112	1,230	209
21	149	207	327	250	279	329	250	436	190	120	1,020	212
22	160	200	334	247	293	316	248	383	210	133	838	216
23	167	200	327	241	375	312	253	245	230	144	546	217
24	170	191	310	245	360	298	264	229	240	136	412	226
25	191	180	264	254	304	290	269	220	260	122	374	226
26	207	176	266	266	305	344	272	217	260	122	354	224
27	209	175	248	265	308	344	276	208	270	122	352	221
28	194	175	210	253	308	342	300	208	270	140	261	219
29	190	174	191	250	------	380	305	212	270	170	154	215
30	242	173	190	261	------	442	302	206	280	200	168	209
31	348	------	192	305	------	442	------	212	------	300	224	------
TOTAL	4,575	8,315	6,505	7,617	9,472	12,376	9,731	8,876	5,949	5,822	14,455	6,700
MEAN	148	277	210	246	338	399	324	286	198	188	466	223
MAX	348	563	334	305	456	681	434	620	280	300	1,230	302
MIN	108	173	144	197	265	290	248	194	145	86	154	161
CFSM	.86	1.60	1.21	1.42	1.95	2.31	1.87	1.65	1.14	1.09	2.69	1.29
IN.	.98	1.79	1.40	1.64	2.04	2.66	2.09	1.91	1.28	1.25	3.11	1.44

CAL YR 1970 TOTAL 72,213 MEAN 198 MAX 563 MIN 63 CFSM 1.14 IN 15.53
WTR YR 1971 TOTAL 100,393 MEAN 275 MAX 1,230 MIN 86 CFSM 1.59 IN 21.59

02131000 Pee Dee River at Peedee, S.C.
(International hydrological decade station)

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mile downstream from Seaboard Coast Line Railroad bridge, 8.2 miles downstream from Black Creek, and at mile 100.2.

DRAINAGE AREA.--8,830 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1947, published as "near Mars Bluff." Gage-height records collected at practically same sites since 1923 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 24.73 ft above mean sea level. Prior to Oct. 1, 1947, at site 1.6 miles downstream at datum 23.46 ft above mean sea level.

AVERAGE DISCHARGE.--33 years, 9,166 cfs (14.10 inches per year).

EXTREMES.--Current year: Maximum discharge, 47,900 cfs Mar. 10 (gage height, 23.98 ft); minimum daily, 1,970 cfs Oct. 19.
Period of record: Maximum discharge, 220,000 cfs Sept. 22, 1945 (gage height, 33.30 ft, site and datum then in use), from rating curve extended above 48,000 cfs on basis of discharge measurement of 221,000 cfs at Cheraw; minimum, 700 cfs Sept. 29, 1954 (gage height, 0.60 ft, from graph based on gage readings).

REMARKS.--Records good, except for period of no gage-height record which are poor. Flow regulated by six powerplants above station. Combined usable capacity of reservoirs, 30,819,624,000 cu ft. Records of chemical analyses and sediment load are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1233: Drainage area. WSP 1623: 1933, 1941-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,840	8,820	3,240	7,770	10,200	20,600	17,300	10,400	12,500	9,570	10,500	7,000
2	2,630	13,300	4,870	7,770	10,600	20,400	17,800	10,600	10,800	8,450	10,600	7,000
3	3,360	14,900	5,040	6,480	11,400	20,700	17,600	8,690	10,200	8,390	10,700	7,000
4	5,010	14,600	4,600	6,150	11,800	23,400	16,800	6,650	9,710	7,950	10,400	7,000
5	3,250	13,600	3,960	5,970	11,900	27,700	14,800	8,450	9,090	7,070	9,950	5,000
6	2,330	12,200	3,400	8,140	12,100	33,300	12,500	8,950	7,520	5,090	10,100	4,000
7	4,010	10,700	2,910	14,100	14,200	38,200	13,000	8,680	4,370	4,440	10,700	3,800
8	5,160	9,460	2,690	17,200	17,000	42,700	13,900	8,750	3,920	7,530	10,700	4,500
9	5,310	7,930	3,620	17,400	18,900	46,700	15,300	8,550	6,780	7,470	8,910	5,000
10	5,450	5,940	4,090	17,000	20,700	47,300	16,200	7,830	6,750	8,550	6,110	5,500
11	4,510	6,650	4,320	17,400	23,900	44,700	15,900	9,510	6,090	7,930	6,890	5,500
12	2,400	7,990	4,070	18,100	28,200	40,000	13,800	9,300	5,260	4,530	7,820	4,800
13	2,440	8,520	3,670	18,200	32,000	34,900	11,600	9,150	5,070	3,520	9,330	4,400
14	4,750	8,960	2,560	17,500	34,000	29,900	11,300	11,300	3,020	6,050	9,990	3,400
15	5,090	9,030	2,270	16,100	33,800	25,700	11,200	17,400	3,460	7,670	10,200	4,200
16	5,020	8,080	3,450	14,800	32,800	23,100	11,400	20,700	5,720	7,790	9,990	5,000
17	4,600	5,530	5,030	13,700	31,100	21,800	10,900	21,200	6,550	7,690	10,600	6,500
18	3,030	7,480	8,680	11,700	28,500	21,300	9,590	22,600	7,990	7,000	13,000	7,500
19	1,970	8,970	10,300	10,000	25,100	21,000	7,270	26,600	8,560	5,570	15,800	7,000
20	2,000	9,450	10,500	9,410	22,000	20,200	6,470	31,100	9,510	3,970	17,600	6,000
21	3,900	9,610	8,460	9,470	20,100	18,500	7,470	35,700	9,680	5,470	18,400	3,200
22	6,480	9,220	6,240	8,850	18,700	15,100	8,560	38,800	8,270	5,960	18,200	4,200
23	5,430	7,960	8,080	8,360	18,000	12,000	8,990	38,600	10,100	6,270	17,000	5,000
24	4,730	5,820	7,730	8,440	18,100	11,400	9,670	35,200	10,700	6,950	14,000	5,500
25	4,110	6,360	8,890	7,700	18,800	12,200	10,600	30,000	11,900	6,250	12,000	6,500
26	2,560	7,070	9,680	9,500	19,500	12,900	9,050	24,300	14,300	3,890	11,000	7,000
27	2,670	6,910	8,860	12,600	20,400	13,200	6,190	21,200	14,700	4,230	10,000	7,500
28	4,760	4,570	5,940	13,700	20,700	13,500	5,050	17,200	14,100	7,710	9,000	8,000
29	4,950	3,630	4,390	13,500	------	14,100	6,800	13,500	12,900	7,590	7,500	8,500
30	3,740	3,830	6,020	12,500	------	14,700	9,530	13,100	11,100	7,630	7,000	8,550
31	4,730	------	7,460	10,800	------	15,900	------	13,000	------	9,180	6,000	------
TOTAL	123,220	257,070	175,020	370,310	584,500	757,100	346,540	547,010	260,620	207,360	339,990	174,050
MEAN	3,975	8,569	5,646	11,950	20,880	24,420	11,550	17,650	8,687	6,689	10,970	5,802
MAX	6,480	14,900	10,500	18,200	34,000	47,300	17,800	38,800	14,700	9,570	18,400	8,550
MIN	1,970	3,630	2,270	5,970	10,200	11,400	5,050	6,650	3,020	3,520	6,000	3,200
CFSM	.45	.97	.64	1.35	2.36	2.77	1.31	2.00	.98	.76	1.24	.66
IN.	.52	1.08	.74	1.56	2.46	3.19	1.46	2.30	1.10	.87	1.43	.73

CAL YR 1970 TOTAL 2,979,560 MEAN 8,163 MAX 31,300 MIN 1,830 CFSM .92 IN 12.55
WTR YR 1971 TOTAL 4,142,790 MEAN 11,350 MAX 47,300 MIN 1,970 CFSM 1.29 IN 17.45

NOTE.--No gage-height record Aug. 23 to Sept. 20.

02131150 Catfish Canal at Sellers, S.C.

LOCATION (REVISED).--Lat 34°17'04", long 79°26'32", Marion County, on right downstream wingwall of bridge on State Highway 38, 2.0 miles east of Sellers, 2.3 miles upstream from Stackhouse Creek, and at mile 25.6.

DRAINAGE AREA.--28 sq mi, approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 75 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge 890 cfs Mar. 4 (gage height, 9.15 ft), minimum daily, 5.2 cfs Oct. 19.
Period of record: Maximum discharge, that of Mar. 4, 1971; minimum daily, 0.10 cfs Oct. 5, 1968.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20	27	11	22	49	40	53	23	13	13	89	27
2	17	24	11	21	37	94	47	21	11	13	71	24
3	15	22	11	20	32	276	44	20	9.4	54	53	22
4	13	19	11	20	32	755	41	18	8.3	31	37	20
5	12	18	11	20	41	406	39	17	7.5	21	30	19
6	11	17	11	20	44	232	66	16	6.8	18	27	17
7	10	15	11	19	51	149	66	15	6.0	17	30	15
8	9.7	14	10	19	100	100	54	14	5.5	14	24	15
9	9.7	13	10	31	99	77	46	14	7.2	12	19	14
10	8.8	14	10	31	65	66	42	12	9.6	12	17	14
11	8.1	23	10	28	52	60	38	11	8.3	11	15	15
12	7.5	21	9.9	26	46	53	36	11	7.4	9.4	14	15
13	7.2	19	10	24	47	48	34	15	6.6	9.2	12	14
14	6.6	17	9.7	23	44	53	32	14	5.5	8.5	10	12
15	6.3	17	9.0	47	39	55	30	14	5.4	9.8	11	11
16	6.0	15	26	54	36	67	29	33	5.4	8.3	125	10
17	5.8	14	62	41	34	54	27	26	8.7	7.5	294	10
18	5.5	14	42	34	32	46	26	22	8.3	6.6	345	11
19	5.2	13	33	30	31	44	24	19	11	6.0	180	9.8
20	5.7	13	30	27	30	43	23	16	12	13	112	8.7
21	11	14	28	25	29	39	22	17	10	22	80	7.9
22	8.4	13	26	25	29	37	21	16	8.7	15	57	7.4
23	7.5	13	25	25	51	37	23	14	7.4	13	46	11
24	6.6	12	24	24	44	35	38	13	6.0	13	44	11
25	11	12	22	28	38	34	32	11	6.0	13	39	9.4
26	13	12	22	37	35	131	27	10	6.0	63	37	8.3
27	11	13	21	32	40	115	24	9.2	54	34	50	7.5
28	9.5	12	19	27	38	81	28	11	30	24	48	7.0
29	8.6	12	19	25	------	72	28	18	19	21	45	6.3
30	12	11	20	24	------	78	25	18	15	38	35	6.1
31	23	------	21	50	------	63	------	15	------	74	32	------
TOTAL	311.7	473	595.6	879	1,245	3,440	1,065	503.2	325.0	624.3	2,028	385.4
MEAN	10.1	15.8	19.2	28.4	44.5	111	35.5	16.2	10.8	20.1	65.4	12.8
MAX	23	27	62	54	100	755	66	33	54	74	345	27
MIN	5.2	11	9.0	19	29	34	21	9.2	5.4	6.0	10	6.1
CFSM	.36	.56	.69	1.01	1.59	3.96	1.27	.58	.39	.72	2.34	.46
IN.	.41	.63	.79	1.17	1.65	4.57	1.41	.67	.43	.83	2.69	.51

CAL YR 1970 TOTAL 7,401.24 MEAN 20.3 MAX 224 MIN .39 CFSM .73 IN 9.83
WTR YR 1971 TOTAL 11,875.20 MEAN 32.5 MAX 755 MIN 5.2 CFSM 1.16 IN 15.78

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-04	1200	9.15	890	8-18	0415	7.60	385
3-26	1415	5.05	158				

02131500 Lynches River near Bishopville, S.C.

LOCATION (REVISED).--Lat 34°15'00", long 80°12'50", Lee County, near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.

DRAINAGE AREA.--675 sq mi.

PERIOD OF RECORD.--May 1942 to September 1971(discontinued).

GAGE.--Water-stage recorder. Datum of gage is 155.59 ft above mean sea level. Prior to June 11, 1948, nonrecording gage at site 100 ft upstream at same datum. June 11, 1948, to Dec. 15, 1954, nonrecording gage at present site and datum.

AVERAGE DISCHARGE.--29 years, 781 cfs (15.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 9,700 cfs Mar. 6 (gage height, 16.28 ft); minimum, 199 cfs Oct. 8, 9.
Period of record: Maximum discharge, 29,400 cfs Sept. 19, 1945 (gage height, 22.35 ft, from floodmark), from rating curve extended above 12,000 cfs by velocity-area studies; minimum, 125 cfs Sept. 16, Oct. 8, 1954, Sept. 21, 1956.

REMARKS.--Records good, except for period of no gage-height record which are poor. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	299	1,200	417	595	1,160	1,050	3,200	800	696	543	1,340	1,450
2	266	1,500	419	646	1,250	1,080	2,800	700	553	514	1,590	978
3	240	3,490	414	709	1,510	1,720	2,400	700	476	718	2,060	778
4	225	4,870	411	709	1,780	2,620	1,800	600	429	938	2,280	768
5	216	3,440	405	669	1,520	4,700	1,600	600	407	908	1,780	702
6	209	2,330	401	682	1,210	9,110	1,500	550	393	644	920	678
7	202	1,410	396	902	1,210	6,360	1,400	550	370	654	958	682
8	200	694	380	1,140	1,550	4,020	1,300	550	349	822	1,160	613
9	200	541	373	1,670	2,070	2,980	1,200	600	338	840	1,180	559
10	204	516	372	2,020	2,550	2,290	1,200	600	361	648	1,060	550
11	207	593	376	1,510	4,970	1,810	1,200	644	414	516	818	604
12	208	756	382	1,390	5,180	1,470	1,200	552	485	452	812	704
13	206	933	389	1,550	3,710	1,270	1,200	541	425	452	810	730
14	204	955	390	1,510	2,620	1,160	1,300	826	372	517	848	686
15	204	746	386	1,110	1,990	1,150	1,400	1,100	365	477	652	602
16	205	600	456	1,050	1,680	1,260	1,400	1,660	379	443	780	536
17	212	552	806	1,160	1,490	1,370	1,300	2,350	422	396	1,420	492
18	240	516	1,040	1,270	1,240	1,400	1,200	2,430	696	369	2,520	495
19	251	488	1,250	1,240	1,000	1,390	1,100	2,800	1,000	355	5,960	706
20	248	476	1,870	1,050	894	1,250	1,000	2,840	1,230	410	7,820	880
21	302	471	2,950	829	851	1,110	900	2,080	1,660	589	6,360	896
22	445	466	2,460	696	885	1,100	950	1,050	1,770	804	4,180	736
23	557	460	1,620	662	1,250	1,100	1,100	658	1,710	968	3,110	680
24	477	444	891	663	1,380	1,100	1,200	586	1,540	1,000	2,400	668
25	382	437	688	722	1,540	1,200	1,300	548	1,340	694	1,720	615
26	364	429	626	953	1,760	1,400	1,300	526	1,240	690	1,330	568
27	439	420	582	1,180	1,650	1,800	1,200	503	1,640	892	1,060	529
28	492	419	552	1,420	1,280	2,200	1,000	479	1,620	1,080	970	500
29	418	422	532	1,780	------	2,400	950	469	1,010	1,150	1,120	476
30	391	422	531	1,910	------	2,800	900	629	688	960	1,420	450
31	814	------	550	1,470	------	3,200	------	784	------	1,210	1,700	------
TOTAL	9,527	30,996	23,315	34,867	51,180	68,870	41,500	30,305	24,378	21,653	62,138	20,311
MEAN	307	1,033	752	1,125	1,828	2,222	1,383	978	813	698	2,004	677
MAX	814	4,870	2,950	2,020	5,180	9,110	3,200	2,840	1,770	1,210	7,820	1,450
MIN	200	419	372	595	851	1,050	900	469	338	355	652	450
CFSM	.45	1.53	1.11	1.67	2.71	3.29	2.05	1.45	1.20	1.03	2.97	1.00
IN.	.53	1.71	1.28	1.92	2.82	3.80	2.29	1.67	1.34	1.19	3.42	1.12

CAL YR 1970 TOTAL 235,684 MEAN 646 MAX 4,870 MIN 162 CFSM .96 IN 12.99
WTR YR 1971 TOTAL 419,040 MEAN 1,148 MAX 9,110 MIN 200 CFSM 1.70 IN 23.09

PEAK DISCHARGE (BASE, 4,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-04	0500	14.19	5,380	3-06	0800	16.28	9,700
2-11	2000	14.40	5,800	8-20	1500	15.53	8,060

Note.--No gage-height record Mar. 22 to May 10.

02132000 Lynches River at Effingham, S.C.

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, on left bank at downstream side of bridge on U.S. Highway 52, 75 ft upstream from Seaboard Coast Line Railroad bridge and 1 mile south of Effingham, and at mile 43.4.

DRAINAGE AREA.--1,030 sq mi, approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1891 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 58.49 ft above mean sea level. Prior to Sept. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 987 cfs (13.01 inches per year).

EXTREMES.--Current year: Maximum discharge, 11,700 cfs Mar. 5 (gage height, 17.46 ft); minimum, 176 cfs Oct. 18, 19.
Period of record: Maximum discharge, 25,000 cfs Sept. 22, 1945 (gage height, 21.21 ft), from rating curve extended above 17,000 cfs; minimum, 94 cfs Oct. 10, 1954.

REMARKS.--Records good. Records of chemical analyses and water temperatures are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	429	449	809	1,360	1,900	2,550	1,300	590	1,810	1,300	1,410
2	236	414	441	731	1,470	2,800	2,520	1,420	574	1,930	1,310	1,250
3	257	447	441	687	1,610	4,640	2,700	1,520	612	2,210	1,310	1,190
4	260	524	439	667	1,750	8,380	2,990	1,470	667	2,160	1,320	1,210
5	241	610	434	687	1,780	11,300	3,140	1,320	674	1,810	1,380	1,310
6	219	685	432	709	1,710	10,600	3,320	1,170	584	1,410	1,460	1,330
7	209	776	427	733	1,610	8,490	3,290	1,030	492	1,270	1,580	1,230
8	209	1,290	422	754	1,780	7,010	3,030	901	434	1,280	1,750	1,080
9	205	2,290	417	868	2,190	8,820	2,730	809	427	1,290	1,830	948
10	199	2,330	414	945	2,260	8,600	2,480	738	411	1,300	1,680	846
11	192	1,980	409	958	2,160	6,560	2,260	683	381	1,270	1,390	820
12	187	1,670	405	992	2,080	4,890	2,090	633	364	1,170	1,200	834
13	186	1,360	398	1,030	2,080	3,830	1,980	646	324	1,100	1,140	763
14	186	1,080	393	1,110	2,280	3,160	2,080	705	387	1,020	1,140	700
15	187	860	393	1,260	3,220	2,700	2,190	731	436	829	1,110	694
16	186	756	461	1,460	3,900	2,450	2,100	889	463	669	1,200	711
17	180	751	705	1,480	3,620	2,230	1,890	858	429	616	1,700	729
18	176	790	729	1,440	3,060	2,040	1,710	872	456	588	2,220	722
19	178	829	718	1,440	2,560	1,870	1,540	928	576	539	2,230	687
20	188	825	751	1,410	2,190	1,760	1,380	1,000	608	518	2,180	618
21	218	744	827	1,320	1,960	1,690	1,270	1,180	650	610	2,180	576
22	236	641	913	1,240	1,800	1,680	1,190	1,530	747	535	2,700	580
23	243	574	990	1,210	1,730	1,740	1,120	1,850	955	514	4,850	644
24	269	533	1,050	1,210	1,640	1,750	1,170	2,040	1,160	554	6,040	724
25	354	509	1,150	1,230	1,590	1,710	1,170	1,960	1,260	674	5,350	788
26	439	496	1,460	1,240	1,690	2,360	1,140	1,670	1,340	744	4,220	811
27	456	487	1,760	1,220	1,780	2,850	1,140	1,340	1,700	858	3,350	781
28	432	457	1,660	1,090	1,790	2,960	1,190	988	2,160	998	2,720	722
29	389	466	1,410	1,050	------	2,960	1,240	774	1,920	1,120	2,240	687
30	393	458	1,180	1,020	------	2,870	1,260	720	1,730	1,210	1,900	610
31	424	------	955	1,180	------	2,690	------	650	------	1,220	1,630	------
TOTAL	7,957	26,061	23,033	33,250	58,650	129,350	59,860	34,325	23,515	33,626	67,610	26,005
MEAN	257	869	743	1,073	2,095	4,173	1,995	1,107	784	1,091	2,181	867
MAX	456	2,330	1,760	1,480	3,900	11,300	3,320	2,040	2,160	2,210	6,040	1,410
MIN	176	414	393	667	1,360	1,680	1,120	633	324	514	1,110	576
CFSM	.25	.84	.72	1.04	2.03	4.05	1.94	1.07	.76	1.06	2.12	.84
IN.	.29	.94	.83	1.20	2.12	4.67	2.16	1.24	.85	1.22	2.44	.94

CAL YR 1970 TOTAL 276,918 MEAN 759 MAX 3,950 MIN 141 CFSM .74 IN 10.00
WTR YR 1971 TOTAL 523,442 MEAN 1,434 MAX 11,300 MIN 176 CFSM 1.39 IN 18.90

02132500 Little Pee Dee River near Dillon, S.C.

LOCATION.--Lat 34°24'17", long 79°20'25", Dillon County, near center of span on downstream side of bridge on State Highway 9, 1.9 miles southeast of Dillon, 3.9 miles (revised) upstream from Maple Swamp, and at mile 88.3.

DRAINAGE AREA.--524 sq mi.

PERIOD OF RECORD.--March 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 75.14 ft above mean sea level (levels by South Carolina Highway Department). Prior to July 31, 1967, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--32 years, 577 cfs (14.95 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,820 cfs Mar. 5 (gage height, 12.20 ft); minimum, 176 cfs Oct. 20 (gage height, 5.78 ft).
Period of record: Maximum discharge, 9,810 cfs Sept. 20, 1945 (gage height, 14.64 ft); minimum, 24 cfs Sept. 17, 23, 1954 (gage height, 2.95 ft).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	366	376	321	479	804	1,710	1,700	641	329	523	774	500
2	342	421	319	460	896	1,680	1,690	675	315	506	734	480
3	321	463	317	445	969	2,250	1,560	690	301	576	780	450
4	313	520	313	436	1,020	4,220	1,400	655	291	572	786	430
5	319	564	313	436	1,060	5,690	1,280	614	283	564	750	410
6	338	600	315	433	1,110	5,360	1,250	588	287	499	701	390
7	347	655	313	433	1,240	4,380	1,270	568	282	433	650	370
8	338	670	313	439	1,480	3,520	1,330	553	263	402	605	350
9	319	675	311	476	1,840	2,880	1,320	534	252	376	560	340
10	287	670	309	509	1,890	2,360	1,240	509	231	345	503	330
11	256	665	307	530	1,750	1,930	1,140	492	234	317	433	320
12	231	596	311	542	1,570	1,570	1,050	483	256	299	378	300
13	215	538	354	556	1,440	1,270	969	509	327	305	354	290
14	203	506	396	564	1,340	1,280	910	520	399	329	354	290
15	189	483	378	614	1,260	1,360	889	538	376	354	366	280
16	181	454	394	706	1,220	1,490	836	609	315	363	641	270
17	180	427	486	792	1,160	1,580	780	636	278	356	1,850	270
18	182	407	553	843	1,090	1,460	728	655	285	336	2,020	270
19	181	394	588	869	1,000	1,330	695	665	338	311	1,570	280
20	178	381	618	843	910	1,250	665	701	402	325	1,350	290
21	196	373	650	780	830	1,180	632	723	470	363	1,300	310
22	203	368	650	739	798	1,130	600	734	503	347	1,230	330
23	206	361	641	701	945	1,090	588	680	506	349	1,100	350
24	209	349	641	665	1,430	993	609	605	503	366	938	370
25	235	342	632	650	1,760	924	614	556	513	389	843	380
26	274	336	609	665	1,910	1,060	609	523	542	553	804	380
27	280	331	580	665	1,880	1,260	618	470	798	627	780	380
28	282	327	549	680	1,780	1,410	627	413	695	685	739	380
29	285	325	520	712	------	1,450	627	378	723	695	690	357
30	299	323	499	717	------	1,510	627	361	623	675	618	339
31	334	------	476	750	------	1,620	------	345	------	723	560	------
TOTAL	8,089	13,900	13,976	19,129	36,382	62,197	28,853	17,623	11,920	13,863	25,761	10,486
MEAN	261	463	451	617	1,299	2,006	962	568	397	447	831	350
MAX	366	675	650	869	1,910	5,690	1,700	734	798	723	2,020	500
MIN	178	323	307	433	798	924	588	345	231	299	354	270
CFSM	.50	.88	.86	1.18	2.48	3.83	1.84	1.08	.76	.85	1.59	.67
IN.	.57	.99	.99	1.36	2.58	4.42	2.05	1.25	.85	.98	1.83	.74

CAL YR 1970 TOTAL 192,232 MEAN 527 MAX 2,210 MIN 93 CFSM 1.01 IN 13.65
WTR YR 1971 TOTAL 262,179 MEAN 718 MAX 5,690 MIN 178 CFSM 1.37 IN 18.61

02135000 Little Pee Dee River at Galivants Ferry, S.C.

LOCATION.--Lat 34°03'25", long 79°14'50", Horry-Marion County line, near left bank on downstream side of bridge on U.S. Highway 501, at Galivants Ferry, 1.0 mile downstream from Lake Swamp, and at mile 41.7.

DRAINAGE AREA.--2,790 sq mi, approximately.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 23.95 ft above mean sea level. Prior to July 26, 1967, nonrecording gage and crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--30 years, 3,144 cfs (15.30 inches per year).

EXTREMES.--Current year: Maximum discharge, 25,000 cfs Mar. 8 (gage height, 12.29 ft); minimum, 685 cfs Oct. 20 (gage height, 4.25 ft). Period of record: Maximum discharge, 27,600 cfs Oct. 9, 10, 1964, (gage height, 13.01 ft); minimum, 155 cfs Oct. 12, 13, 1954. Maximum stage known, 16.0 ft in September 1928, from floodmark set by local resident.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,200	1,180	1,480	2,500	4,860	6,340	8,570	3,220	3,020	4,600	2,170	5,130
2	1,200	1,310	1,430	2,460	4,880	7,480	8,470	3,110	2,780	3,690	2,270	4,880
3	1,100	1,420	1,390	2,410	4,940	9,560	8,320	2,960	2,420	2,960	2,470	4,550
4	1,100	1,480	1,350	2,370	4,990	13,200	8,120	2,800	2,110	2,470	2,720	4,180
5	1,100	1,520	1,310	2,320	5,050	17,300	7,950	2,670	1,850	2,350	2,960	3,740
6	1,200	1,550	1,280	2,260	5,140	21,000	8,120	2,570	1,640	2,400	2,940	3,250
7	1,200	1,590	1,250	2,210	5,520	23,400	8,050	2,490	1,450	2,340	2,720	2,800
8	1,100	1,610	1,220	2,180	6,250	24,800	8,160	2,410	1,280	2,170	2,490	2,460
9	1,060	1,630	1,190	2,330	6,880	24,200	8,100	2,330	1,170	1,990	2,310	2,190
10	1,020	1,670	1,170	2,380	7,680	22,400	7,940	2,230	1,100	1,820	2,170	2,020
11	972	1,800	1,150	2,520	8,380	20,300	7,740	2,140	1,050	1,670	2,080	1,890
12	925	1,890	1,130	2,670	8,940	18,200	7,600	2,080	998	1,510	1,990	1,790
13	871	2,040	1,120	2,770	9,350	16,100	7,410	2,180	961	1,360	1,910	1,720
14	816	2,230	1,110	2,840	9,550	14,300	7,150	2,160	941	1,220	1,820	1,650
15	773	2,520	1,100	2,980	9,560	12,700	6,800	2,170	941	1,110	1,740	1,600
16	746	2,740	1,180	3,120	9,350	11,500	6,430	2,360	969	1,030	1,740	1,550
17	743	2,880	1,360	3,290	9,030	10,500	6,070	2,390	1,010	987	1,840	1,500
18	734	2,900	1,520	3,530	8,640	9,720	5,690	2,410	1,050	962	2,270	1,460
19	706	2,820	1,710	3,750	8,220	9,110	5,310	2,430	1,060	942	3,890	1,430
20	702	2,690	1,850	3,930	7,790	8,750	4,960	2,410	1,100	952	7,040	1,430
21	761	2,500	1,970	4,120	7,340	8,500	4,670	2,420	1,140	1,110	10,200	1,480
22	762	2,320	2,060	4,280	6,930	8,340	4,370	2,500	1,170	1,260	11,300	1,580
23	766	2,150	2,150	4,420	6,590	8,240	4,100	2,600	1,210	1,420	10,700	1,760
24	768	2,000	2,250	4,510	6,210	7,900	4,080	2,690	1,250	1,490	9,640	1,900
25	802	1,900	2,370	4,660	5,910	7,570	3,860	2,710	1,300	1,500	8,280	1,980
26	836	1,800	2,480	4,840	5,630	7,970	3,710	2,670	1,360	1,540	7,230	2,010
27	856	1,720	2,550	4,820	5,730	7,920	3,530	2,590	1,660	1,590	6,430	2,010
28	881	1,660	2,560	4,890	5,830	8,240	3,510	2,570	2,260	1,680	5,900	1,980
29	900	1,590	2,560	4,910	------	8,420	3,430	2,740	4,060	1,800	5,660	1,930
30	930	1,530	2,590	4,840	------	8,450	3,310	2,810	5,140	1,890	5,480	1,850
31	1,080	------	2,540	4,910	------	8,530	------	2,980	------	1,990	5,340	------
TOTAL	28,610	58,640	52,380	106,020	195,170	390,940	185,530	78,800	49,450	55,803	137,700	69,700
MEAN	923	1,955	1,690	3,420	6,970	12,610	6,184	2,542	1,648	1,800	4,442	2,323
MAX	1,200	2,900	2,590	4,910	9,560	24,800	8,570	3,220	5,140	4,600	11,300	5,130
MIN	702	1,180	1,100	2,180	4,860	6,340	3,310	2,080	941	942	1,740	1,430
CFSM	.33	.70	.61	1.23	2.50	4.52	2.22	.91	.59	.65	1.59	.83
IN.	.38	.78	.70	1.41	2.60	5.21	2.47	1.05	.66	.74	1.84	.93

CAL YR 1970 TOTAL 971,949 MEAN 2,663 MAX 10,500 MIN 461 CFSM .95 IN 12.96
WTR YR 1971 TOTAL 1,408,743 MEAN 3,860 MAX 24,800 MIN 702 CFSM 1.38 IN 18.78

02135300 Scape Ore Swamp near Bishopville, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at bridge on U.S. Highway 15, 0.1 mile downstream from Beaverdam Creek, 0.9 mile upstream from Seaboard Coast Line Railroad bridge and 5.8 miles southwest of Bishopville.

DRAINAGE AREA.--70 sq mi, approximately.

PERIOD OF RECORD.--July 1968 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 170 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 1,330 cfs Mar. 5 (gage height, 8.09 ft); minimum daily, 23 cfs Oct. 13, 14, June 9, 10.
Period of record: Maximum discharge, that of Mar. 5, 1971; minimum daily, 6.7 cfs July 21, 1970.

REMARKS.--Records good. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	76	625	61	86	165	195	269	130	50	90	314	74
2	59	896	60	89	198	238	235	115	45	96	322	62
3	49	560	60	89	225	550	193	102	40	213	272	52
4	40	342	60	89	205	1,180	175	91	35	296	203	47
5	33	254	58	89	169	1,230	181	82	31	208	151	46
6	24	198	57	89	148	734	203	74	28	171	121	43
7	27	155	55	86	161	436	218	66	26	128	100	40
8	25	127	54	84	198	318	245	60	24	115	86	38
9	25	107	53	95	230	254	263	56	23	137	77	37
10	24	102	53	103	257	210	218	52	23	130	66	42
11	25	117	53	110	263	177	185	49	28	107	56	49
12	24	131	53	113	233	157	175	47	30	86	54	81
13	23	148	55	112	189	151	149	61	32	67	60	74
14	23	148	56	107	159	151	128	78	31	54	62	60
15	25	142	56	116	148	151	116	91	28	46	52	52
16	32	130	83	125	140	154	108	169	39	41	63	47
17	35	117	140	142	136	169	104	260	60	38	122	43
18	33	105	195	155	127	169	107	269	84	34	251	43
19	30	94	248	152	119	163	98	240	102	34	458	46
20	36	86	251	137	108	159	88	177	108	68	540	46
21	80	81	218	120	98	146	85	131	127	97	377	44
22	94	77	173	107	102	137	84	101	124	112	238	43
23	100	74	143	98	163	139	91	82	127	105	171	44
24	96	71	121	94	307	142	136	66	127	95	130	46
25	91	68	105	97	422	139	167	53	113	97	103	49
26	91	66	96	116	346	210	200	46	94	115	89	51
27	90	65	88	133	266	318	191	41	108	134	97	50
28	83	64	82	151	218	395	169	38	210	143	105	46
29	73	63	79	161	------	391	154	44	148	146	98	43
30	66	62	80	161	------	330	145	56	103	151	87	40
31	89	------	82	165	------	275	------	57	------	382	80	------
TOTAL	1,626	5,275	3,028	3,571	5,500	9,568	4,880	2,984	2,148	3,736	5,005	1,478
MEAN	52.5	176	97.7	115	196	309	163	96.3	71.6	121	161	49.3
MAX	100	896	251	165	422	1,230	269	269	210	382	540	81
MIN	23	62	53	84	98	137	84	38	23	34	52	37
CFSM	.75	2.51	1.40	1.64	2.80	4.41	2.33	1.38	1.02	1.73	2.30	.70
IN.	.86	2.80	1.61	1.90	2.92	5.08	2.59	1.59	1.14	1.99	2.66	.79

CAL YR 1970 TOTAL 28,769.0 MEAN 78.8 MAX 896 MIN 6.7 CFSM 1.13 IN 15.29
WTR YR 1971 TOTAL 48,799.0 MEAN 134 MAX 1,230 MIN 23 CFSM 1.91 IN 25.93

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
11-01	2300	7.60	1,040	8-20	0700	6.78	570
3-05	0200	8.09	1,330				

02136000 Black River at Kingstree, S.C.

LOCATION.--Lat 33°39'40", long 79°50'10", Williamsburg County, on left bank at downstream side of bridge on U.S. Highway 52 at Kingstree, 1.0 mile downstream from Kingstree Swamp Canal, and at mile 86.7.

DRAINAGE AREA.--1,260 sq mi, approximately.

PERIOD OF RECORD.--August 1929 to current year. Gage-height records collected at same site since 1894 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 25.66 ft above mean sea level. Prior to Nov. 7, 1934, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 879 cfs (9.47 inches per year).

EXTREMES.--Current year: Maximum discharge, 23,600 cfs Mar. 7 (gage height, 15.22 ft); minimum discharge 56 cfs Oct. 14, 20.
Period of record: Maximum discharge, 29,100 cfs Sept. 20, 1945 (gage height, 16.07 ft); minimum 2 cfs Sept. 12-15, Oct. 7, 8, 1954.
Flood of Sept. 21, 1928 reached a stage of 18.0 ft.

REMARKS.--Records good.

REVISIONS (WATER YEARS).--WSP 1032: 1928(m), drainage area. WSP 1333: 1930(m), 1931, 1936.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	93	394	288	1,100	2,060	2,120	4,870	1,250	407	992	899	1,300
2	91	372	281	1,110	1,920	2,650	4,710	1,260	388	1,050	1,440	1,190
3	86	360	272	1,100	1,800	4,440	4,270	1,300	358	1,110	1,690	1,070
4	81	355	264	1,060	1,720	6,970	3,720	1,310	317	1,210	1,870	917
5	77	349	254	1,020	1,670	10,500	3,260	1,270	271	1,530	1,920	793
6	73	338	244	980	1,650	17,700	3,140	1,190	234	1,940	1,810	654
7	70	325	234	941	1,640	23,000	3,060	1,110	208	2,150	1,690	527
8	66	310	225	902	1,710	18,700	2,980	1,040	187	2,030	2,010	437
9	64	292	217	926	1,890	13,100	2,890	984	171	1,930	2,500	392
10	60	280	209	1,010	1,900	9,400	2,800	899	156	1,920	2,640	388
11	60	303	205	1,180	2,000	7,440	2,660	815	149	1,810	2,640	399
12	58	362	200	1,290	2,200	6,070	2,510	723	156	1,580	2,360	450
13	57	445	196	1,370	2,300	5,000	2,420	674	164	1,350	1,960	461
14	58	519	192	1,420	2,300	4,060	2,350	618	164	1,210	1,580	432
15	58	559	190	1,420	2,400	3,460	2,240	571	149	1,120	1,230	399
16	58	565	235	1,400	2,300	3,020	2,080	614	138	1,020	1,020	372
17	58	546	471	1,380	2,380	2,730	1,900	725	131	908	1,220	340
18	58	507	705	1,350	2,080	2,510	1,740	836	337	770	1,960	307
19	57	464	857	1,310	1,970	2,360	1,600	881	808	638	2,320	285
20	60	425	929	1,280	1,850	2,230	1,440	866	920	529	2,830	300
21	77	391	984	1,240	1,750	2,080	1,330	839	881	462	3,280	293
22	86	364	1,050	1,180	1,650	1,940	1,240	788	944	447	3,050	259
23	102	343	1,090	1,100	1,550	1,820	1,140	710	1,090	529	2,480	254
24	109	326	1,070	1,050	1,450	1,700	1,170	638	1,110	622	2,210	264
25	135	311	1,040	1,080	1,390	1,620	1,210	574	974	668	2,080	258
26	226	300	1,030	1,310	1,370	1,820	1,210	529	842	676	2,010	239
27	342	296	1,060	1,630	1,510	2,160	1,180	500	828	640	1,930	219
28	421	294	1,070	1,830	1,770	2,610	1,150	474	893	555	1,830	201
29	435	294	1,070	1,980	------	3,550	1,200	459	938	487	1,720	183
30	433	294	1,080	2,120	------	4,440	1,240	447	950	473	1,580	166
31	420	------	1,080	2,160	------	4,760	------	428	------	542	1,430	------
TOTAL	4,129	11,283	18,292	40,229	52,180	175,960	68,710	25,322	15,263	32,898	61,189	13,749
MEAN	133	376	590	1,298	1,864	5,676	2,290	817	509	1,061	1,974	458
MAX	435	565	1,090	2,160	2,400	23,000	4,870	1,310	1,110	2,150	3,280	1,300
MIN	57	280	190	902	1,370	1,620	1,140	428	131	447	899	166
CFSM	.11	.30	.47	1.03	1.48	4.50	1.82	.65	.40	.84	1.57	.36
IN.	.12	.33	.54	1.19	1.54	5.20	2.03	.75	.45	.97	1.81	.41

CAL YR 1970 TOTAL 283,980 MEAN 778 MAX 6,490 MIN 45 CFSM .62 IN 8.38
WTR YR 1971 TOTAL 519,204 MEAN 1,422 MAX 23,000 MIN 57 CFSM 1.13 IN 15.33

02146000 Catawba River near Rock Hill, S.C.

LOCATION.--Lat 34°59'05", long 80°58'27", York County, on right bank at downstream side of bridge on U.S. Highway 21, 3.5 miles downstream from Lake Wylie Dam, 5 miles northeast of Rock Hill, 7.5 miles upstream from Sugar Creek, and at mile 137.6.

DRAINAGE AREA.--3,050 sq mi, approximately.

PERIOD OF RECORD.--September 1895 to September 1903, April 1942 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 485.82 ft. Sept. 23, 1895, to July 31, 1903, nonrecording gage at Southern Railway bridge, 2 miles downstream, at different datum.

AVERAGE DISCHARGE.--37 years, 4,431 cfs (19.73 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,000 cfs May 16 (gage height, 11.75 ft); minimum daily, 560 cfs July 18.
Period of record: Maximum discharge, 151,000 cfs May 23, 1901 (gage height, 24.15 ft, site and datum then in use); minimum daily, 490 cfs Oct. 21, 1954.

REMARKS.--Records good. Flow regulated by Lake Wylie (usable capacity, 6,542,000,000 cu ft) and by other powerplants above station.

REVISIONS (WATER YEARS). WSP 1303: 1895-1903, WSP 1333: 1942-43(m), 1953(m). WSP 1623: 1942-51 (yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,090	778	3,090	4,660	4,950	7,070	4,100	813	6,070	8,370	761	910
2	670	985	1,220	3,630	8,060	6,440	6,330	797	6,570	8,750	819	2,220
3	754	718	1,820	1,800	2,560	1,920	809	770	7,210	1,100	4,790	3,840
4	778	2,410	1,580	4,240	1,620	8,570	813	1,140	7,950	787	3,900	713
5	2,140	2,850	1,810	1,700	5,920	6,850	3,780	5,010	6,850	851	4,110	678
6	2,180	3,590	816	5,100	5,330	2,760	6,080	3,120	2,160	2,620	1,030	1,090
7	1,200	1,360	5,270	7,870	5,560	7,300	6,800	2,690	10,700	1,610	724	5,000
8	1,130	897	2,070	9,930	9,620	10,300	6,270	1,700	7,860	5,790	967	3,050
9	754	2,770	2,660	6,970	9,510	9,420	2,710	1,040	5,830	6,090	2,590	3,590
10	855	1,540	1,960	2,960	7,410	11,000	1,970	3,970	5,950	2,160	5,110	866
11	778	1,670	1,040	5,230	7,170	6,960	873	2,750	4,140	5,310	4,860	3,600
12	3,900	1,190	792	3,510	9,610	2,310	806	4,360	4,920	1,980	1,190	976
13	4,190	879	755	5,540	7,480	783	3,190	5,420	892	2,530	1,020	1,380
14	2,840	802	3,890	4,360	6,450	1,060	4,780	3,730	8,000	6,370	739	1,740
15	799	819	4,330	3,520	7,470	2,990	4,200	8,690	7,590	5,100	736	6,710
16	730	2,570	1,130	4,200	3,660	4,350	5,430	15,600	6,400	3,900	688	2,970
17	778	5,360	2,310	830	3,720	5,260	1,090	7,530	936	4,030	762	4,920
18	718	4,920	1,150	5,090	3,450	4,930	828	7,970	2,450	560	685	918
19	1,160	3,810	748	6,300	2,960	6,120	5,440	10,500	4,240	2,320	795	864
20	985	2,210	851	6,000	1,500	3,480	7,240	11,000	1,060	5,780	5,380	7,080
21	796	782	2,640	4,900	797	1,240	1,650	11,000	7,790	1,970	6,090	5,840
22	694	887	761	6,030	3,530	5,070	5,820	8,590	7,980	3,780	922	7,470
23	694	6,760	4,100	3,750	4,890	3,800	7,430	5,740	2,820	918	4,530	7,990
24	754	5,900	946	2,600	4,300	5,830	2,580	6,750	7,330	1,780	720	7,950
25	730	6,360	1,170	2,980	5,960	6,480	808	7,460	9,950	712	1,830	3,180
26	1,420	1,930	4,190	2,720	7,790	5,070	1,540	6,070	12,300	896	982	1,110
27	1,810	818	1,570	6,020	1,570	5,190	3,120	6,790	2,330	1,640	1,340	7,390
28	920	772	3,660	7,630	[illegible]	2,240	4,290	2,240	8,210	2,050	1,880	6,580
29	718	786	4,430	3,800	------	2,400	2,640	2,310	9,620	1,090	689	7,470
30	1,340	1,710	5,490	1,570	------	5,900	2,840	924	9,540	705	1,650	5,870
31	920	------	5,440	1,720	------	6,170	------	6,120	------	716	3,020	------
TOTAL	39,210	68,883	73,632	138,226	144,757	159,263	106,257	162,654	185,7[illegible]	92,267	65,314	113,965
MEAN	1,265	2,296	2,375	4,459	5,170	5,138	3,542	5,247	6,19[illegible]	2,976	2,107	3,799
MAX	4,190	6,760	5,490	9,930	9,620	11,000	7,430	15,600	12,300	8,750	6,090	7,990
MIN	670	718	748	830	797	783	806	770	892	560	685	678

CAL YR 1970 TOTAL 1,371,444 MEAN 3,758 MAX 14,200 MIN 670
WTR YR 1971 TOTAL 1,350,136 MEAN 3,699 MAX 15,600 MIN 560

02147000 Catawba River near Catawba, S.C.

LOCATION.--Lat 34°51'09", long 80°52'06", York County, on right bank, 60 ft downstream from Seaboard Coast Line Railroad bridge, 200 ft downstream from Twelvemile Creek, 2.5 miles east of Catawba, and at mile 122.8.

DRAINAGE AREA.--3,530 sq mi, approximately.

PERIOD OF RECORD.--October 1968 to current year. Annual peak stages from June 1906 to December 1948 and gage-height records since May 1958 are available in district office.

GAGE.--Water-stage recorder. Datum of gage is 446.18 ft above mean sea level (levels by Bowaters Carolina Corporation). June 1906 to Dec. 31, 1948, nonrecording gage at site 2.1 miles downstream at different datum.

EXTREMES.--Current year: Maximum discharge, 28,500 cfs May 16 (gage height, 14.01 ft); minimum daily, 800 cfs Oct. 2.
Period of record: Maximum discharge, that of May 16, 1971; minimum daily, 798 cfs June 28, 1970.
Maximum stage known since June 1906, 40.4 ft July 16, 1916 at site and datum then in use, from records furnished by the National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Wylie (usable capacity, 6,542,000,000 cu ft) and by other powerplants above the station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,000	2,100	2,620	4,970	5,180	5,200	5,010	1,120	5,830	9,040	1,890	1,920
2	800	1,010	2,180	4,610	7,610	8,420	6,080	1,000	6,540	10,300	1,420	1,100
3	940	1,160	1,200	2,380	13,100	11,200	3,210	1,010	6,740	3,890	4,700	4,710
4	1,500	1,470	1,760	2,450	5,000	18,400	1,110	1,150	7,610	1,020	3,760	1,520
5	2,200	3,410	1,520	4,610	7,000	11,300	2,440	2,840	7,180	980	3,580	823
6	2,300	2,840	1,720	5,870	6,500	3,710	4,930	4,850	4,210	2,560	3,330	883
7	1,700	1,770	3,450	7,800	7,000	5,970	8,350	2,690	7,730	1,970	1,060	2,980
8	1,200	1,410	3,500	11,500	9,000	11,200	8,530	2,330	8,370	4,950	1,130	3,260
9	889	2,320	1,870	9,060	16,200	10,800	3,410	1,520	8,010	6,520	2,470	3,780
10	861	1,410	2,000	4,510	9,590	11,200	3,230	2,560	5,910	4,090	3,960	2,480
11	834	1,910	2,070	5,100	6,690	10,200	1,330	3,520	5,740	4,800	5,780	2,660
12	2,840	1,350	875	3,290	10,300	2,350	1,080	2,880	5,180	4,020	1,890	2,620
13	3,670	1,280	875	5,080	9,590	1,080	2,320	9,780	2,300	1,640	1,260	2,980
14	3,330	966	2,470	5,560	7,220	1,300	4,280	13,700	4,280	5,990	1,150	1,330
15	1,570	1,040	3,870	4,110	8,930	1,760	5,020	7,450	8,010	5,720	847	5,720
16	924	2,210	2,860	4,910	4,020	5,120	5,440	20,800	6,830	4,970	868	5,020
17	924	3,620	3,020	2,320	4,130	4,570	2,360	12,700	3,870	4,320	910	4,150
18	847	7,070	2,810	4,440	3,150	5,100	1,150	8,650	1,500	1,890	2,070	2,760
19	1,040	4,150	1,020	6,080	4,320	5,910	4,300	10,700	5,380	1,710	1,240	2,240
20	966	2,320	987	6,630	1,420	4,420	6,630	11,700	2,240	4,760	4,070	5,900
21	1,230	1,460	1,470	5,930	1,530	2,450	3,130	11,700	5,220	2,940	6,440	7,510
22	994	945	2,000	5,660	2,880	3,430	4,820	11,500	10,700	3,850	2,100	6,720
23	868	4,170	3,130	4,190	6,440	4,470	7,980	5,420	5,850	1,400	3,330	8,770
24	822	6,670	2,860	4,630	4,640	5,180	4,890	6,560	4,090	1,530	2,590	8,350
25	847	5,890	1,150	6,270	5,870	6,200	1,160	6,890	10,900	1,470	1,110	4,690
26	1,090	4,150	2,540	2,720	8,600	5,870	1,150	7,270	12,700	1,020	1,790	1,730
27	1,270	945	3,400	6,740	3,400	6,610	2,210	6,060	4,380	1,700	1,600	6,290
28	1,840	896	3,120	8,330	1,320	5,200	5,040	4,440	6,500	2,070	2,070	6,450
29	910	882	3,200	5,580	------	2,540	4,130	3,210	10,100	1,490	1,400	8,340
30	1,120	875	5,180	2,030	------	8,440	3,580	1,260	10,100	2,620	1,000	6,320
31	3,800	------	6,060	2,630	------	5,890	------	3,450	------	2,120	2,830	------
TOTAL	45,126	71,699	76,787	159,990	180,630	195,490	118,300	190,710	194,000	107,350	73,645	124,006
MEAN	1,456	2,390	2,477	5,161	6,451	6,306	3,943	6,152	6,467	3,463	2,376	4,134
MAX	3,800	7,070	6,060	11,500	16,200	18,400	8,530	20,800	12,700	10,300	6,440	8,770
MIN	800	875	875	2,030	1,320	1,080	1,080	1,000	1,500	980	847	823

CAL YR 1970 TOTAL 1,432,903 MEAN 3,926 MAX 14,000 MIN 798
WTR YR 1971 TOTAL 1,537,733 MEAN 4,213 MAX 20,800 MIN 800

02147500 Rocky Creek at Great Falls, S.C.

LOCATION.--Lat 34°33'45", long 80°55'00", Chester County, on left bank 350 ft downstream from Turkey Branch, 1 mile west of Great Falls, and at mile 1.8 (revised).

DRAINAGE AREA.--194 sq mi.

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 299 ft (by barometer).

AVERAGE DISCHARGE.--20 years, 187 cfs (13.09 inches per year).

EXTREMES.--Current year: Maximum discharge, 6,900 cfs Mar. 4 (gage height, 8.41 ft); minimum, 9.1 cfs Oct. 8, 10-15.
Period of record: Maximum discharge, 31,300 cfs Aug. 23, 1967 (gage height, 18.82 ft); minimum, 0.04 cfs Oct. 6-13, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12	1,000	53	400	360	138	322	112	69	46	466	52
2	12	254	52	350	203	1,260	272	104	65	99	173	52
3	11	159	52	250	159	5,230	284	97	63	378	110	47
4	11	117	53	180	190	4,590	243	89	62	113	84	45
5	10	91	52	210	761	950	224	84	60	71	72	44
6	10	76	51	260	857	707	610	79	59	99	367	41
7	9.8	69	51	240	3,000	504	610	75	58	123	134	39
8	9.5	65	51	203	4,000	246	374	78	41	89	87	38
9	9.5	62	52	605	2,000	213	246	82	42	64	71	38
10	9.1	166	54	743	800	193	198	71	59	63	60	40
11	9.1	518	54	349	500	178	166	65	53	79	78	43
12	9.1	205	56	243	350	178	149	67	45	69	195	43
13	9.1	134	58	180	250	173	138	1,780	42	56	101	50
14	9.1	106	55	153	240	210	127	1,410	42	53	64	38
15	9.8	103	54	200	200	224	115	442	41	56	56	36
16	17	108	660	257	180	322	110	3,460	50	48	115	31
17	22	85	1,580	166	170	208	106	1,030	381	46	483	35
18	20	78	316	144	140	155	101	290	316	44	792	134
19	17	68	178	128	132	171	96	193	229	67	275	130
20	17	67	142	193	130	178	92	149	200	155	205	213
21	92	67	127	76	134	147	97	125	329	117	123	117
22	45	63	117	82	157	155	92	108	312	78	91	392
23	21	60	108	87	229	123	378	96	610	55	85	104
24	16	56	101	110	153	123	837	89	142	68	89	72
25	25	53	91	570	123	125	284	85	87	78	68	62
26	58	53	84	1,070	112	407	180	82	68	101	117	55
27	30	53	78	415	147	665	142	76	59	240	252	51
28	21	52	76	221	144	995	162	78	72	1,740	142	47
29	18	52	90	166	------	1,060	166	108	54	249	76	44
30	306	53	90	153	------	1,220	125	87	48	164	62	42
31	4,290	------	200	660	------	446	------	78	------	249	55	------
TOTAL	5,165.1	4,093	4,836	9,064	15,821	21,494	7,046	10,769	3,758	4,957	5,148	2,175
MEAN	167	136	156	292	565	693	235	347	125	160	166	72.5
MAX	4,290	1,000	1,580	1,070	4,000	5,230	837	3,460	610	1,740	792	392
MIN	9.1	52	51	76	112	123	92	65	41	44	55	31
CFSM	.86	.70	.80	1.51	2.91	3.57	1.21	1.79	.64	.82	.86	.37
IN.	.99	.78	.93	1.74	3.03	4.12	1.35	2.06	.72	.95	.99	.42

CAL YR 1970 TOTAL 50,615.6 MEAN 139 MAX 4,290 MIN 9.1 CFSM .72 IN 9.71
WTR YR 1971 TOTAL 94,326.1 MEAN 258 MAX 5,230 MIN 9.1 CFSM 1.33 IN 18.09

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-31	1700	7.31	5,030	5-14	0100	6.39	3,600
2-08		8.16	6,470	5-16	1900	6.90	4,350
3-04	0200	8.41	6,900				

02148000 Wateree River near Camden, S.C.

LOCATION.--Lat 34°14'40", long 80°39'15", Kershaw County, in pier of bridge on U.S. Highway 1, 1,500 ft downstream from Twentyfivemile Creek, 4,000 ft upstream from Seaboard Coast Line Railroad bridge, 2.2 miles west of Camden, 7.4 miles downstream from Wateree Dam, and at mile 68.8.

DRAINAGE AREA.--5,070 sq mi, approximately.

PERIOD OF RECORD.--January to December 1903 (gage heights only), October 1904 to September 1910, October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site 1.5 miles downstream 1891-1934, at site 830 ft upstream January 1936 to September 1942, and at present site since October 1942, are contained in reports of National Weather Service.

GAGE.--Water-stage recorder with remote system to district office. Datum of gage is 119.36 ft above mean sea level. January 1903, to September 1910, nonrecording gage at site 1.5 miles downstream at datum 117.71 ft above mean sea level. Oct. 1, 1929, to Sept. 1, 1942, recording gage at site 830 ft upstream at datum 119.36 ft above mean sea level.

AVERAGE DISCHARGE.--48 years (1904-10, 1929-71), 6,168 cfs (16.52 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,300 cfs Mar. 5 (gage height, 23.46 ft); minimum daily, 210 cfs Oct. 8.
Period of record: Maximum discharge, 366,000 cfs Aug. 26, 1908 (gage height, 39.7 ft, site and datum then in use, from records of National Weather Service), from rating curve extended above 122,000 cfs on basis of computation, by Duke Power Co., of peak flow of 382,000 cfs over dam at Rocky Creek Reservoir; minimum daily, 163 cfs Sept. 1, 1968.
The flood of July 16, 1916 reached a stage of 40.4 ft (datum, 117.71 ft above mean sea level), at site 1.5 miles downstream, from records of National Weather Service (discharge, 400,000 cfs, from rating curve extended above 122,000 cfs as explained above).

REMARKS.--Records good. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,784,000,000 cu ft) and by other powerplants above station.

REVISIONS (WATER YEARS).--WSP 802: 1930. WSP 952: Drainage area. WSP 1082: 1934(M). WSP 1433: 1905-10. WSP 1623: 1930-51 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	614	9.290	3.140	6.530	10.900	8.680	8.830	1.040	7.220	10.800	4.450	1.920
2	280	14.200	1.900	4.140	12.200	12.300	12.800	458	7.420	9.260	6.300	3.290
3	255	7.310	694	2.110	14.600	20.800	7.740	2.190	7.150	3.760	6.550	3.350
4	215	6.510	1.120	4.460	15.700	27.200	2.480	2.880	9.240	694	6.860	558
5	1.550	4.140	1.980	8.610	16.100	30.300	6.980	4.520	7.960	404	5.980	350
6	2.470	4.340	848	10.800	14.200	20.800	14.300	5.690	5.790	1.560	4.480	494
7	965	1.560	4.480	12.500	11.300	18.600	12.400	5.930	11.100	2.520	1.060	5.580
8	210	806	4.070	12.800	16.800	17.600	6.500	1.390	9.660	5.930	614	5.080
9	290	2.220	4.570	13.000	20.100	17.000	4.750	422	8.860	7.360	4.960	4.290
10	265	1.580	2.560	6.370	21.900	16.600	3.380	4.000	7.540	6.110	6.010	2.500
11	215	2.070	1.720	7.740	18.500	13.600	1.000	4.880	6.730	5.380	7.460	4.740
12	3.540	3.010	280	6.550	17.000	7.440	1.060	5.000	5.050	2.750	1.970	1.590
13	4.590	1.850	230	8.800	16.800	2.060	6.950	8.330	1.370	3.650	656	1.240
14	4.550	635	3.270	8.300	15.200	2.460	7.970	12.700	7.030	7.640	488	3.690
15	3.540	663	4.070	7.530	13.000	7.050	6.470	13.000	8.590	6.590	306	6.840
16	404	3.640	7.420	6.610	9.450	6.440	7.160	13.800	8.160	5.460	6.240	7.000
17	250	6.610	4.410	3.900	9.030	8.240	2.590	19.100	2.840	6.570	6.870	4.660
18	215	7.890	6.100	7.310	7.910	9.870	884	18.200	3.940	1.660	6.660	2.850
19	1.700	6.530	4.220	8.180	6.230	10.300	5.840	16.700	4.880	3.490	6.470	2.430
20	2.850	5.580	1.410	8.940	2.380	8.540	8.890	16.300	3.140	6.750	7.390	7.080
21	2.180	1.510	6.870	6.820	670	2.930	7.540	16.300	8.120	5.080	6.400	7.910
22	1.690	920	4.210	8.230	7.910	814	9.420	16.400	9.740	4.730	2.040	8.860
23	1.240	5.020	6.200	4.980	13.300	5.810	10.400	11.300	8.840	1.200	5.000	9.240
24	333	8.680	1.880	5.610	8.810	5.930	7.690	8.460	9.850	1.050	4.150	8.630
25	260	8.750	2.050	9.490	8.360	9.640	2.560	8.570	10.600	537	4.200	3.880
26	1.970	3.770	4.040	8.460	9.970	10.600	1.410	7.510	11.400	2.980	3.980	956
27	2.040	399	3.220	11.100	4.820	5.990	1.800	7.360	4.190	3.470	3.820	6.690
28	2.970	265	5.940	11.800	1.060	5.060	1.790	4.240	9.320	4.070	3.420	6.940
29	1.240	215	6.640	6.770	------	13.000	1.800	3.520	10.700	3.300	750	7.840
30	3.860	965	6.800	4.480	------	15.900	3.400	1.600	11.400	3.130	1.830	7.840
31	3.350	------	8.120	3.760	------	15.200	------	5.730	------	3.720	2.510	------
TOTAL	50.101	120.928	114.462	236.680	324.200	356.754	176.784	247.520	227.830	131.605	129.874	138.318
MEAN	1.616	4.031	3.692	7.635	11.580	11.510	5.893	7.985	7.594	4.245	4.189	4.611
MAX	4.590	14.200	8.120	13.000	21.900	30.300	14.300	19.100	11.400	10.800	7.460	9.240
MIN	210	215	230	2.110	670	814	884	422	1.370	404	306	350

CAL YR 1970 TOTAL 1.815.594 MEAN 4.974 MAX 17.600 MIN 187
WTR YR 1971 TOTAL 2.255.056 MEAN 6.178 MAX 30.300 MIN 210

02148300 Colonels Creek near Leesburg, S.C.

LOCATION.--Lat 34°00'25", long 80°43'58", Richland County, at bridge on State Highway 262, 0.2 mile above Jumping Run Creek, 1.9 miles southwest of Leesburg, and at mile 8.0.

DRAINAGE AREA.--38.1 sq mi.

PERIOD OF RECORD.--September 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 185 ft (from topographic map).

AVERAGE DISCHARGE.--5 years, 43.9 cfs (15.66 inches per year).

EXTREMES.--Current year: Maximum discharge, 428 cfs Mar. 3 (gage height, 5.06 ft); minimum, 17 cfs July 19.
Period of record: Maximum discharge, that of Mar. 3, 1971; minimum, 12 cfs July 21, 1969.

REMARKS.--Records good. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	32	63	25	45	68	57	77	50	32	24	120	23
2	25	54	25	38	54	87	67	44	27	23	80	23
3	22	44	25	34	52	212	64	41	25	36	64	23
4	20	35	25	33	48	323	59	38	24	34	50	22
5	18	31	24	36	45	172	57	36	22	27	45	22
6	18	28	24	33	60	123	81	34	21	26	37	21
7	17	27	24	30	80	99	84	32	21	28	34	21
8	18	26	24	36	90	84	79	32	20	28	29	20
9	19	25	24	54	70	74	69	33	21	27	25	21
10	19	30	25	50	62	67	59	32	22	25	23	26
11	19	54	25	45	57	63	53	31	25	22	22	30
12	17	51	25	40	50	59	49	30	23	20	22	30
13	18	41	25	35	47	56	47	72	22	21	22	32
14	19	33	25	33	45	54	45	80	21	21	21	29
15	22	33	28	40	42	54	43	72	21	19	21	26
16	21	30	118	52	40	62	42	103	26	20	32	25
17	20	28	124	46	37	60	42	84	34	19	103	24
18	20	27	94	39	36	55	41	65	62	18	157	31
19	20	27	70	35	35	53	40	46	61	19	112	84
20	26	27	49	38	36	59	38	35	41	29	79	87
21	57	27	40	42	37	54	38	32	31	38	53	71
22	57	26	35	59	45	50	38	29	28	37	36	60
23	45	26	33	67	85	52	46	27	30	33	32	48
24	32	26	32	61	103	52	114	27	38	33	29	38
25	37	25	30	49	85	50	99	26	36	42	28	33
26	59	26	29	44	69	136	79	26	29	45	27	31
27	49	26	28	48	64	151	62	24	25	54	27	29
28	36	26	28	47	59	127	73	24	25	64	25	27
29	30	26	34	69	------	111	79	32	24	80	24	26
30	37	25	38	87	------	103	61	40	23	110	23	25
31	72	------	44	79	------	88	------	38	------	130	23	------
TOTAL	923	973	1,199	1,444	1,601	2,847	1,825	1,315	868	1,152	1,425	1,008
MEAN	29.8	32.4	38.7	46.6	57.2	91.8	60.8	42.4	28.9	37.2	46.0	33.6
MAX	72	63	124	87	103	323	114	103	62	130	157	87
MIN	17	25	24	30	35	50	38	24	20	18	21	20
CFSM	.78	.85	1.02	1.22	1.50	2.41	1.60	1.11	.76	.98	1.21	.88
IN.	.90	.95	1.17	1.41	1.56	2.78	1.78	1.28	.85	1.12	1.39	.98

CAL YR 1970 TOTAL 11,924 MEAN 32.7 MAX 174 MIN 12 CFSM .86 IN 11.64
WTR YR 1971 TOTAL 16,580 MEAN 45.4 MAX 323 MIN 17 CFSM 1.19 IN 16.19

PEAK DISCHARGE (BASE, 200 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	2300	5.06	428				

02148315 Wateree River below Eastover, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, on right bank, 2.4 miles upstream from Southern Railway bridge, 2.5 miles northeast of Wateree, 5.0 miles southeast of Eastover, and at mile 12.0.

DRAINAGE AREA.--5,580 sq mi, approximately.

PERIOD OF RECORD.--July 1968 to current year (discharge below 10,000 cfs only).

GAGE.--Water-stage recorder. Datum of gage is 77.43 above mean sea level (South Carolina Electric and Gas Company benchmark).

EXTREMES.--Current year: Maximum gage height, 15.25 ft Feb. 6; minimum daily discharge, 802 cfs Oct. 12.
Period of record: Maximum gage height, 16.71 ft Dec. 14, 1969; minimum daily discharge, 702 cfs Sept. 3, 1968.

REMARKS.--Records fair. Flow regulated by powerplant at Wateree Reservoir (usable capacity, 2,794,000,000 cu ft) and by other powerplants above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2,420	4,350	901	7,830	5,530	8,590		5,210	4,690	9,690	4,900	2,430
2	1,770	7,170	1,890	7,770	8,720	4,860		2,790	6,560	9,900	5,040	2,430
3	1,280		2,350	5,230		5,980		1,870	7,180	9,820	6,250	2,510
4	974		1,750	3,160				1,730	7,070	6,840	6,920	3,360
5	859	8,580	1,190	3,670			6,980	2,620	7,940	3,370	7,120	2,100
6	870	5,880	1,480	7,360			7,540	3,360	8,300	2,020	6,600	1,240
7	1,760	4,620	1,760	9,400				5,070	6,840	1,620	5,510	936
8	1,830	2,950	2,410					5,600	8,360	2,170	3,040	3,240
9	1,230	1,950	3,530					3,080	9,110	4,730	1,800	4,630
10	863	1,780	3,720		8,150		7,970	1,790	9,200	6,760	3,180	4,190
11	823	2,040	3,190				5,430	2,450	8,290	6,440	5,290	3,090
12	802	2,190	2,290	8,810			3,310	4,220	7,120	5,690	6,720	3,500
13	1,100	2,460	1,630	8,170			2,270	4,660	5,680	4,410	3,900	1,620
14	3,440	2,750	995	8,190			5,000	7,790	3,230	2,970	5,610	1,760
15	3,970	1,930	1,790	8,710		7,100	7,490	9,720	4,600	6,470	1,460	2,470
16	4,100	1,490	3,390	8,200		4,330	7,300		7,530	6,660	1,170	5,860
17	2,130	2,350	6,450	7,490		5,550	6,950		8,130	5,680	4,500	6,540
18	1,190	5,290	6,090	5,290		6,880	4,400		5,600	6,040	7,560	5,290
19	872	7,070	5,980	6,430	6,860	7,930	2,330		4,480	3,620	7,520	3,620
20	886	6,780	5,590	8,030	9,320	9,480	3,740		5,010	2,670	7,410	2,670
21	1,930	5,860	3,330	8,730	8,080		7,660		4,560	5,270	7,970	5,380
22	2,330	3,220	5,000	8,040	5,350	6,900	8,120		6,560	5,900	7,820	7,380
23	2,130	1,990	5,570	7,840	2,820	7,180	8,370		8,710	4,860	4,360	8,330
24	1,900	2,870	5,590	6,690	4,820	3,730	9,340		8,990	3,120	4,320	8,770
25	1,540	7,350	3,880	5,830		4,560	9,230		9,190	1,850	4,740	8,670
26	1,130	8,210	2,260	8,860	7,290	6,020	5,670	9,890	9,590	1,620	4,210	5,730
27	1,230	5,620	3,070	8,710		8,110	4,620	9,040	9,890	2,400	4,190	2,690
28	1,770	2,420	3,660	9,690	6,810		5,240	8,100	7,420	3,630	4,240	4,170
29	2,480	1,390	4,760		------	8,560	5,840	5,910	7,770	4,180	3,940	6,370
30	2,190	1,000	6,260	9,860	------	8,690	6,170	4,440	9,230	4,270	2,460	7,320
31	2,700	------	6,830	7,370	------		------	2,960	------	4,180	1,690	------
TOTAL	54,499		108,586						216,830	148,850	151,440	128,296
MEAN	1,758		3,503						7,228	4,802	4,885	4,277
MAX	4,100		6,830						9,890	9,900	7,970	8,770
MIN	802		901						3,230	1,620	1,170	936

02153500 Broad River near Gaffney, S.C.

LOCATION.--Lat 35°05'20", long 81°34'20", Cherokee County, on right bank at downstream side of bridge on U.S. Highway 29, 0.3 mile upstream from Cherokee Creek, 4.4 miles downstream from Gaston Shoals Dam, 4.5 miles east of Gaffney, and at mile 270.3.

DRAINAGE AREA.--1,490 sq mi, approximately.

PERIOD OF RECORD.--July 1896 to December 1899 (gage heights and discharge measurements only), October 1938 to current year (discontinued). Monthly discharge only for some periods, published in WSP 1303. Discharges for July 12, 1896, to Dec. 31, 1899, published in the 18th, 19th, and 21st Annual Reports, Part 4, have been found to be unreliable and should not be used.

GAGE.--Water-stage recorder. Datum of gage is 539.10 ft above mean sea level. July 12, 1896, to Dec. 31, 1899, nonrecording gages at sites 1.1 miles upstream at different datum.

AVERAGE DISCHARGE.--33 years (1938-71), 2,472 cfs (22.53 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,300 cfs Oct. 31 (gage height, 8.55 ft); minimum, 702 cfs Oct. 21; minimum daily, 920 cfs Oct. 18.

Period of record: Maximum discharge, 119,000 cfs Aug. 14, 1940 (gage height, 19.78 ft), by computation of flow over Gaston Shoals Dam; minimum, 140 cfs Oct. 24, 1954; minimum daily, 224 cfs Oct. 24, 1954.

REMARKS.--Records good. Some regulation at medium and low flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Records of chemical analyses are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,030	5,530	1,610	2,190	1,710	3,940	3,720	2,560	2,130	1,720	3,400	1,460
2	1,040	4,120	1,790	2,160	1,640	3,590	3,460	2,430	1,840	1,910	4,440	1,650
3	1,020	3,470	1,890	1,870	1,960	4,450	3,360	2,280	1,940	1,920	4,570	1,700
4	999	3,330	1,790	1,860	2,020	6,280	3,150	2,250	1,940	1,560	3,130	1,530
5	979	2,880	1,700	4,730	3,810	6,200	2,860	2,250	1,630	1,730	3,050	1,370
6	966	2,250	1,590	7,000	6,150	5,350	2,860	2,230	1,750	1,720	3,780	1,520
7	941	2,020	1,470	4,250	6,130	4,810	3,300	2,180	1,720	1,770	3,250	1,620
8	923	1,800	1,660	3,550	10,800	4,380	3,680	2,180	1,930	2,500	2,340	1,540
9	1,010	1,510	1,640	3,170	8,440	3,960	3,550	2,210	1,900	2,140	2,230	1,540
10	1,110	2,110	1,560	2,900	5,180	3,740	3,380	2,160	1,670	2,130	2,640	1,660
11	1,180	4,040	1,540	2,090	4,010	3,630	3,250	2,110	1,810	1,670	2,090	1,390
12	1,270	3,180	1,760	2,130	3,230	3,440	3,090	2,160	1,720	2,320	3,260	1,690
13	1,220	2,560	1,430	2,110	3,550	3,230	2,940	10,000	1,580	1,950	3,000	1,590
14	1,220	2,270	1,370	2,230	6,150	3,110	2,860	7,780	1,600	1,560	2,280	1,450
15	1,250	2,470	1,370	1,960	4,900	3,040	2,860	6,230	1,840	1,910	1,540	1,480
16	1,380	2,440	1,650	1,920	4,160	3,270	2,780	11,900	2,280	1,870	1,460	1,270
17	1,120	1,930	2,840	1,900	3,340	3,480	2,740	6,280	2,360	1,460	1,850	1,340
18	920	2,010	2,510	1,850	3,270	3,530	2,660	4,700	2,520	1,330	2,210	1,670
19	1,070	1,610	1,910	1,900	3,170	3,270	2,600	4,040	2,160	1,270	1,860	4,340
20	1,030	1,760	1,590	1,850	2,620	3,190	2,520	3,190	1,670	1,770	2,780	2,860
21	1,690	1,740	1,450	2,110	2,540	3,210	2,560	3,060	1,780	1,590	2,030	2,290
22	2,680	1,790	1,450	1,760	3,020	3,060	2,540	2,570	2,510	1,620	1,600	6,660
23	2,150	1,660	1,790	1,840	7,810	2,900	2,520	2,420	1,970	1,330	2,300	3,640
24	1,840	1,570	4,510	2,110	8,320	2,780	2,840	2,320	1,940	1,460	2,240	2,350
25	1,220	1,680	3,750	2,180	6,330	2,740	3,040	2,560	1,680	1,770	1,910	2,080
26	1,180	1,850	2,630	2,350	5,230	2,700	2,700	2,890	1,520	1,730	2,060	2,240
27	1,250	1,770	2,340	2,110	4,630	2,800	2,580	2,360	1,420	2,300	1,880	2,060
28	1,140	1,730	2,090	2,140	4,340	2,920	2,580	2,140	1,340	2,040	1,370	1,870
29	1,170	1,600	1,940	2,140	------	3,060	2,640	2,200	1,680	2,020	1,320	2,030
30	6,800	1,480	1,950	2,040	------	3,400	2,600	2,360	1,640	2,510	1,310	1,960
31	10,800	------	1,900	1,870	------	3,790	------	2,420	------	3,190	1,370	------
TOTAL	53,598	70,160	60,470	76,270	128,460	113,250	88,220	108,420	55,470	57,770	74,550	61,850
MEAN	1,729	2,339	1,951	2,460	4,588	3,653	2,941	3,497	1,849	1,864	2,405	2,062
MAX	10,800	5,530	4,510	7,000	10,800	6,280	3,720	11,900	2,520	3,190	4,570	6,660
MIN	920	1,480	1,370	1,760	1,640	2,700	2,520	2,110	1,340	1,270	1,310	1,270
CFSM	1.16	1.57	1.31	1.65	3.08	2.45	1.97	2.35	1.24	1.25	1.61	1.38
IN.	1.34	1.75	1.51	1.90	3.21	2.83	2.20	2.71	1.38	1.44	1.86	1.54

CAL YR 1970 TOTAL 842,139 MEAN 2,307 MAX 34,600 MIN 836 CFSM 1.55 IN 21.03
WTR YR 1971 TOTAL 948,488 MEAN 2,599 MAX 11,900 MIN 920 CFSM 1.74 IN 23.68

PEAK DISCHARGE (BASE, 16,000 CFS).--No peak above base.

02154500 North Pacolet River at Fingerville, S.C.

LOCATION.--Lat 35°07'15", long 81°59'10", Spartanburg County, on right bank at McMillin Mill, about 400 ft downstream from Obed Creek, 1.4 miles south of Fingerville, and at mile 48.5.

DRAINAGE AREA.--116 sq mi.

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 715.56 ft above mean sea level. From Nov. 26, 1929 to Nov. 24, 1933, recording gage at site about 400 ft downstream at datum 5.60 ft higher.

AVERAGE DISCHARGE.--42 years, 207 cfs (24.23 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,020 cfs Oct. 30 (gage height, 8.92 ft); minimum, 57 cfs May 5; minimum daily, 60 cfs Oct. 5.

Period of record: Maximum discharge, 12,500 cfs Aug. 14, 1940 (gage height, 27.13 ft), from rating curve extended above 4,300 cfs on basis of computation of peak flow over dam 2 miles above station; minimum, 9 cfs Oct. 6, 1954; minimum daily, 28 cfs Oct. 6, 7, 1954.

REMARKS.--Records good. Some diurnal fluctuation at low and medium flow caused by mill above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	65	398	122	141	470	220	218	149	143	117	250	110
2	66	263	122	135	458	290	215	147	139	132	344	128
3	68	225	121	135	464	512	210	145	137	147	218	117
4	61	185	121	151	488	485	198	141	134	117	188	109
5	60	165	116	566	682	338	193	139	132	109	170	117
6	62	153	114	449	671	287	233	139	126	134	587	112
7	63	145	114	275	699	260	248	143	124	151	323	109
8	65	137	117	230	881	235	215	157	122	126	243	141
9	75	134	117	215	804	220	203	147	128	116	260	116
10	102	200	114	200	635	218	193	137	147	114	341	105
11	96	235	114	185	587	220	185	135	139	149	263	128
12	88	185	116	290	560	202	183	299	130	176	230	116
13	81	161	116	323	678	200	178	1,010	143	132	185	116
14	78	153	110	317	734	220	176	548	134	119	161	105
15	91	176	110	329	617	232	167	377	143	112	149	99
16	87	155	195	314	580	278	167	668	161	137	145	97
17	76	145	238	305	450	225	165	371	155	117	157	105
18	73	141	163	302	340	208	163	266	145	104	165	181
19	73	139	147	296	270	222	161	223	137	105	149	225
20	88	151	139	278	250	232	159	200	132	130	190	163
21	223	165	135	284	270	208	161	188	128	112	181	141
22	157	145	132	293	370	198	161	174	135	109	145	190
23	119	139	163	404	780	192	188	165	132	104	145	149
24	101	132	172	530	410	188	233	163	122	102	134	132
25	99	126	149	536	266	181	176	161	117	137	126	170
26	97	128	139	515	244	222	161	159	116	141	121	157
27	93	126	134	491	275	230	157	149	114	151	119	137
28	90	126	130	476	235	255	163	155	112	122	116	130
29	149	124	132	476	------	278	157	165	109	165	110	122
30	1,300	124	132	482	------	275	149	159	122	181	109	117
31	1,360	------	137	497	------	233	------	151	------	210	109	------
TOTAL	5,306	4,981	4,181	10,420	14,168	7,764	5,536	7,330	3,958	4,078	6,133	3,944
MEAN	171	166	135	336	506	250	185	236	132	132	198	131
MAX	1,360	398	238	566	881	512	248	1,010	161	210	587	225
MIN	60	124	110	135	235	181	149	135	109	102	109	97
CFSM	1.47	1.43	1.16	2.90	4.36	2.16	1.59	2.03	1.14	1.14	1.71	1.13
IN.	1.70	1.60	1.34	3.34	4.54	2.49	1.78	2.35	1.27	1.31	1.97	1.26

CAL YR 1970 TOTAL 59,212 MEAN 162 MAX 1,360 MIN 60 CFSM 1.40 IN 18.99
WTR YR 1971 TOTAL 77,799 MEAN 213 MAX 1,360 MIN 60 CFSM 1.84 IN 24.95

PEAK DISCHARGE (BASE, 1,600 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-30	1115	8.92	2,020				

02154950 Lake William C. Bowen near Fingerville, S.C.

LOCATION.--Lat 35°06'45", long 82°02'26", Spartanburg County, at bridge on State Highway 9, 1.7 miles upstream from the dam and 2.8 miles southwest of Fingerville.

DRAINAGE AREA.--79.4 sq mi.

PERIOD OF RECORD.--October 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 800.00 ft above mean sea level (Spartanburg Water Works datum).

EXTREMES.--Current year: Maximum gage height, 15.82 ft Feb. 22; minimum, 11.30 ft Oct. 18,19(from graph).
Period of record: Maximum gage height, 16.12 ft Apr. 18, 1969; minimum, that of Oct. 18,19, 1970.

REMARKS.--Reservoir is formed by concrete dam, completed in 1960. Capacity is 7,400,000,000 gal. Spillway crest is at gage height 15 ft. Water used as inflow to South Pacolet River Reservoir (capacity, 1,104,000,000 gal.).

Capacity table (gage height, in feet, and usable contents, in billions of gallons)
(Prepared from curve by Wiedeman and Singleton Engineers of Atlanta, Ga.)

11	5.45
12	5.90
13	6.35
14	6.80
15	7.30
16	7.80

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	12.45	14.00	13.41	13.10	14.14	15.15	15.15	15.08	14.93	13.78	13.78	12.98
2	12.35	14.02	13.37	13.08	14.12	15.28	15.15	15.07	14.88	13.77	13.96	12.99
3	12.30	14.02	13.33	13.07	14.10	15.57	15.14	15.05	14.85	13.73	14.01	12.92
4	12.20	14.00	13.27	13.18	14.15	15.34	15.13	15.00	14.80	13.68	14.03	12.83
5	12.10	13.94	13.24	13.68	14.50	15.26	15.16	14.99	14.76	13.70	14.05	12.82
6	12.00	13.91	13.19	13.83	14.65	15.23	15.23	14.97	14.73	13.75	14.35	12.74
7	11.90	13.87	13.16	13.89	15.06	15.18	15.20	14.95	14.69	13.75	14.43	12.68
8	11.85	13.84	13.13	13.95	15.35	15.15	15.17	15.00	14.63	13.72	14.45	12.63
9	11.85	13.79	13.08	13.98	15.28	15.13	15.15	15.00	14.58	13.66	14.55	12.54
10	11.80	13.94	13.05	14.00	15.20	15.16	15.14	14.97	14.55	13.68	14.60	12.46
11	11.75	13.96	13.02	14.01	15.16	15.15	15.13	14.95	14.51	13.66	14.60	12.53
12	11.75	13.98	13.00	14.00	15.15	15.13	15.12	14.96	14.48	13.64	14.65	12.52
13	11.70	13.96	12.97	14.00	15.30	15.16	15.12	15.80	14.45	13.60	14.55	12.51
14	11.70	13.97	12.93	14.00	15.23	15.15	15.10	15.46	14.40	13.55	14.44	12.47
15	11.60	13.95	12.88	14.03	15.19	15.16	15.10	15.32	14.36	13.54	14.31	12.43
16	11.55	13.92	13.11	14.02	15.15	15.15	15.10	15.65	14.32	13.52	14.20	12.40
17	11.45	13.88	13.16	14.01	15.13	15.12	15.10	15.40	14.27	13.47	14.15	12.36
18	11.30	13.83	13.16	13.98	15.12	15.12	15.08	15.27	14.26	13.42	14.10	12.53
19	11.30	13.82	13.15	13.96	15.10	15.15	15.08	15.20	14.24	13.40	14.04	12.65
20	11.45	13.82	13.12	13.93	15.14	15.09	15.08	15.15	14.20	13.35	13.99	12.67
21	11.50	13.80	13.14	13.90	15.15	15.12	15.09	15.13	14.18	13.30	13.91	12.73
22	11.50	13.77	13.13	13.92	15.82	15.10	15.06	15.10	14.16	13.25	13.84	12.81
23	11.45	13.74	13.18	13.96	15.50	15.10	15.10	15.07	14.12	13.20	13.76	12.84
24	11.45	13.68	13.18	14.05	15.32	15.08	15.16	15.06	14.07	13.12	13.67	12.87
25	11.40	13.65	13.18	14.10	15.23	15.16	15.14	15.05	14.02	13.16	13.58	13.04
26	11.35	13.62	13.14	14.14	15.25	15.17	15.10	15.03	13.96	13.37	13.49	13.07
27	11.35	13.57	13.12	14.12	15.23	15.17	15.09	15.00	13.90	13.44	13.40	13.09
28	11.40	13.53	13.08	14.10	15.18	15.17	15.12	14.97	13.85	13.45	13.30	13.09
29	11.80	13.49	13.09	14.10	-------	15.20	15.10	14.95	13.77	13.52	13.20	13.07
30	12.80	13.45	13.07	14.15	------	15.18	15.08	14.96	13.82	13.56	13.10	13.06
31	13.70	------	13.12	14.15	------	15.17	------	14.95	------	13.62	13.00	------
(†)	6.66	6.55	6.40	6.88	7.39	7.38	7.34	7.28	6.72	6.63	6.35	6.38
(‡)	+19.96	-5.67	-7.49	+23.96	+28.18	-.50	-2.06	-2.99	-28.88	-4.49	-13.97	+1.55
MAX	13.70	14.02	13.41	14.15	15.82	15.57	15.23	15.80	14.93	13.78	14.65	13.09
MIN	11.30	13.45	12.88	13.07	14.10	15.08	15.06	14.95	13.77	13.12	13.00	12.36

CAL YR 1970	‡	-4.24	MAX	15.23	MIN	11.30
WTR YR 1971	‡	+.51	MAX	15.82	MIN	11.30

† Contents, in billions of gallons, at end of month.

‡ Change in contents, equivalent in cubic feet per second.

NOTE.--Gage heights for Oct. 1 to Nov. 2 computed from graph based on gage readings at 0800.

02155500 Pacolet River near Fingerville, S.C.

LOCATION.--Lat 35°06'35", long 81°57'35", Spartanburg County, on right bank 100 ft upstream from highway bridge, 0.2 mile downstream from confluence of North Pacolet and South Pacolet Rivers, 2.8 miles southeast of Fingerville, and at mile 46.5.

DRAINAGE AREA.--212 sq mi.

PERIOD OF RECORD.--October 1929 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 706.33 ft above mean sea level.

AVERAGE DISCHARGE.--42 years, 338 cfs (21.65 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,820 cfs Feb. 22 (gage height, 6.23 ft); minimum daily, 108 cfs Oct. 6.
Period of record: Maximum discharge, 22,800 cfs Aug. 14, 1940 (gage height, 22.43 ft), from rating curve extended above 9,600 cfs by velocity-area studies; minimum daily, 32 cfs Oct. 6, 7, 1954.
Flood of June 1903 reached a stage of 46 ft, from floodmark (discharge not determined).

REMARKS.--Records good, except for periods of no gage-height record, which are poor. Some regulation by South Pacolet River Reservoir and Lake William C. Bowen (see preceding page). Some diurnal fluctuation caused by mill on North Pacolet River. About 22,130,000 gal per day (34.2 cfs) diverted above station for city of Spartanburg water supply during water year 1971.

REVISIONS (WATER YEARS).--WSP 1303: 1930-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	115	599	205	202	205	495	325	229	198	227	378	180
2	111	380	224	192	195	540	302	227	192	241	545	190
3	134	321	224	189	198	1,050	301	215	244	255	510	190
4	130	272	208	205	218	1,130	287	197	255	178	446	180
5	116	244	195	798	432	681	300	195	227	153	268	160
6	108	224	186	643	432	578	367	202	198	178	738	190
7	110	214	183	368	510	551	432	217	175	251	422	190
8	113	208	189	294	840	504	457	220	172	231	310	190
9	120	198	158	265	858	411	380	214	178	178	280	170
10	149	290	147	248	621	353	319	199	208	178	350	150
11	141	389	150	227	455	326	312	195	205	218	360	170
12	161	276	153	269	348	307	310	431	202	255	290	300
13	148	214	153	352	545	301	299	2,220	218	202	220	270
14	142	202	150	180	758	349	274	1,260	195	178	190	160
15	152	272	158	195	566	375	258	816	234	155	180	130
16	156	255	262	189	451	450	254	1,730	276	175	190	130
17	152	208	352	183	397	420	252	742	262	155	220	130
18	150	192	234	186	328	456	249	566	205	140	250	180
19	129	231	208	186	251	471	249	470	198	142	260	300
20	145	272	195	189	265	329	247	410	189	166	260	310
21	319	294	189	198	276	333	248	380	183	147	240	190
22	240	265	186	202	1,460	323	249	287	192	142	210	210
23	192	231	221	234	1,920	316	272	231	189	137	200	210
24	162	183	276	248	792	307	355	227	180	147	190	180
25	161	153	255	262	571	286	299	227	172	198	180	190
26	161	172	238	244	530	347	282	221	169	211	180	190
27	148	169	227	224	588	387	274	211	172	328	180	170
28	142	166	192	208	525	454	281	227	178	238	170	160
29	209	166	192	208	------	572	274	244	178	290	160	150
30	1,770	166	192	214	------	492	265	238	202	290	150	150
31	1,930	------	198	227	------	390	------	224	------	313	170	------
TOTAL	8,116	7,426	6,300	8,029	15,535	14,284	8,973	13,672	6,046	6,297	8,697	5,670
MEAN	262	248	203	259	555	461	299	441	202	203	281	189
MAX	1,930	599	352	798	1,920	1,130	457	2,220	276	328	738	310
MIN	108	153	147	180	195	286	247	195	169	137	150	130
CFSM	1.24	1.17	.96	1.22	2.62	2.17	1.41	2.08	.95	.96	1.33	.89
IN.	1.42	1.30	1.11	1.41	2.73	2.51	1.57	2.40	1.06	1.10	1.53	.99

CAL YR 1970 TOTAL 93,167 MEAN 255 MAX 1,930 MIN 86 CFSM 1.20 IN 16.35
WTR YR 1971 TOTAL 109,045 MEAN 299 MAX 2,220 MIN 108 CFSM 1.41 IN 19.13

NOTE.--No gage-height record Aug. 8 to Sept. 30.

02156000 Pacolet River near Clifton, S.C.

LOCATION.--Lat 34°58'10", long 81°48'05", Spartanburg County, on left bank 1.0 miles (revised) downstream from dam at Clifton Mill 2, 1.3 miles southeast of Clifton, 2.7 miles upstream from Lawsons Fork Creek, 2.7 miles northeast of Glendale, and at mile 28.2.

DRAINAGE AREA.--320 sq mi.

PERIOD OF RECORD.--October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 540 ft (from topographic map).

AVERAGE DISCHARGE.--32 years, 488 cfs (20.71 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,590 cfs Feb. 22 (gage height, 7.17 ft); minimum daily, 155 cfs Oct. 2.
Period of record: Maximum discharge, 26,800 cfs Aug. 14, 1940 (gage height, 21.19 ft), from rating curve extended above 13,000 cfs on basis of computation of peak flow over dam at Clifton Mill 2; minimum daily, 17 cfs Oct. 19, 1941.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station, South Pacolet River Reservoir, and Lake William C. Bowen (see sta 02154950). City of Spartanburg diverts water above station from South Pacolet River Reservoir for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	167	885	263	307	338	666	492	338	307	332	818	252
2	155	590	295	301	313	875	436	326	289	344	752	278
3	178	476	295	295	313	2,030	436	320	307	452	695	273
4	182	399	289	307	338	1,470	420	295	344	289	581	252
5	190	350	278	733	979	997	420	289	320	236	666	236
6	167	326	268	913	733	818	518	284	295	326	733	284
7	167	301	268	545	1,360	761	714	307	268	332	714	263
8	171	295	268	436	1,580	714	666	344	257	338	420	273
9	171	295	252	399	1,140	609	581	320	268	268	385	236
10	186	492	236	378	856	536	468	295	320	344	484	213
11	208	619	231	350	704	492	452	289	330	378	476	247
12	231	436	227	326	518	444	444	460	330	357	364	413
13	213	330	231	484	647	444	428	2,250	340	295	326	257
14	204	315	231	332	970	500	406	1,570	340	268	273	213
15	208	400	227	320	771	527	378	1,220	350	236	257	186
16	213	390	371	399	657	619	364	2,010	400	247	284	182
17	208	380	527	222	554	563	364	1,280	420	236	313	195
18	208	284	357	295	527	563	357	799	332	213	364	268
19	213	301	301	295	399	609	357	676	313	222	332	428
20	208	344	289	289	399	536	350	572	289	241	357	326
21	378	378	284	295	420	444	350	536	284	222	320	263
22	371	350	278	301	1,560	452	357	436	273	218	313	313
23	268	326	301	428	2,710	436	399	364	289	208	307	301
24	236	295	371	313	1,150	420	484	338	263	204	289	241
25	241	241	344	420	818	420	420	338	252	241	278	278
26	247	252	326	399	723	484	385	332	247	301	268	284
27	222	257	313	364	790	590	371	320	236	581	268	247
28	208	252	295	338	704	638	406	326	247	371	263	236
29	268	252	284	320	------	761	378	350	241	590	247	227
30	2,580	252	289	428	------	714	357	350	273	492	213	218
31	2,140	------	295	301	------	590	------	332	------	638	252	------
TOTAL	11,007	11,063	9,084	11,833	22,971	20,722	12,958	18,266	9,024	10,020	12,612	7,883
MEAN	355	369	293	382	820	668	432	589	301	323	407	263
MAX	2,580	885	527	913	2,710	2,030	714	2,250	420	638	818	428
MIN	155	241	227	222	313	420	350	284	236	204	213	182

CAL YR 1970 TOTAL 135,982 MEAN 373 MAX 2,580 MIN 125
WTR YR 1971 TOTAL 157,443 MEAN 431 MAX 2,710 MIN 155

02156500 Broad River near Carlisle, S.C.

LOCATION (REVISED).--Lat 34°35'46", long 81°25'20", Union County, on right bank at downstream side of bridge on State Highway 72, 1.3 miles upstream from Sandy River, 2.0 miles downstream from Seaboard Coast Line Railroad bridge, 2.5 miles east of Carlisle, 5.0 miles downstream from Neals Shoals Dam, and at mile 226.0.

DRAINAGE AREA.--2,790 sq mi, approximately.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 290.70 ft above mean sea level, datum of 1929.

AVERAGE DISCHARGE.--33 years, 3,881 cfs (18.89 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,200 cfs Mar. 3 (gage height, 15.05 ft); minimum, 152 cfs Oct. 8; minimum daily, 1,040 cfs Oct. 11.
Period of record: Maximum discharge 103,000 cfs Aug. 15, 1940 (gage height, 29.41 ft), from rating curve extended above 66,000 cfs on basis of computation of peak flow over Neals Shoals Dam; minimum, 37 cfs Aug. 29, 1955; minimum daily, 44 cfs Sept. 2, 1956.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939(M), drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,320	13,000	1,910	2,740	3,650	5,090	5,330	3,180	2,920	2,490	5,030	1,680
2	1,320	8,000	2,120	3,190	2,850	6,540	4,520	2,960	2,710	3,120	5,790	1,860
3	1,490	5,000	2,470	2,830	2,750	24,000	4,230	2,580	2,530	3,260	7,000	2,130
4	1,140	3,600	2,270	2,660	3,170	25,800	4,090	2,580	2,460	2,760	5,280	2,330
5	1,190	3,200	2,130	4,880	6,500	13,000	3,270	2,710	2,650	2,240	4,030	1,920
6	1,280	2,800	2,130	9,640	11,600	7,350	4,520	2,620	2,460	2,350	4,480	1,920
7	1,400	2,500	1,810	7,010	12,700	6,190	6,010	2,700	2,130	2,880	4,720	1,940
8	1,110	2,200	1,910	5,250	24,800	5,600	7,050	2,710	2,230	5,360	4,190	2,040
9	1,110	1,900	2,020	4,880	19,500	5,010	5,410	3,080	2,240	3,930	3,130	1,980
10	1,620	2,300	2,190	4,670	10,600	4,860	4,570	2,800	2,410	4,150	2,900	1,940
11	1,040	3,500	2,030	3,910	6,990	4,720	3,680	2,560	2,390	4,320	3,210	2,070
12	1,790	4,800	2,050	3,130	5,630	4,470	3,690	2,670	2,550	3,000	3,040	2,160
13	1,520	4,200	2,240	3,110	5,390	4,130	3,460	10,800	2,060	3,250	3,870	2,260
14	1,710	3,300	1,810	3,050	7,680	3,920	3,480	18,600	2,370	2,600	3,300	2,240
15	1,510	2,700	1,980	3,310	8,320	4,310	3,560	11,400	2,240	2,380	2,650	1,830
16	2,040	2,600	2,810	3,580	6,530	4,560	3,210	24,500	2,590	3,700	1,980	1,840
17	1,790	2,600	5,470	2,990	5,490	5,180	3,370	20,600	3,110	2,920	2,450	1,660
18	1,370	2,500	4,310	2,840	4,820	4,770	3,090	8,930	3,360	2,330	2,960	2,010
19	1,400	2,500	3,230	2,530	4,770	4,460	3,040	6,320	3,220	1,710	2,630	5,930
20	1,510	2,350	2,580	2,720	4,530	4,410	3,040	5,300	2,740	2,090	3,020	10,400
21	1,750	2,670	2,260	2,630	4,100	4,260	3,140	4,270	2,320	2,480	3,770	5,980
22	2,390	2,280	2,240	2,850	4,970	4,180	3,070	4,120	2,370	2,460	2,530	3,980
23	2,820	2,270	2,220	2,620	14,300	3,520	3,370	3,450	3,110	2,060	2,050	7,330
24	2,440	2,230	3,460	3,800	17,500	3,360	4,760	3,240	2,580	1,980	2,850	4,370
25	2,350	2,040	4,810	5,690	8,280	3,690	4,260	2,990	2,610	2,190	2,550	2,810
26	1,590	2,410	4,070	5,200	6,280	4,210	3,520	3,420	2,260	2,930	2,340	2,560
27	1,650	2,210	2,930	4,610	5,730	5,000	2,880	3,490	2,030	2,680	2,490	2,700
28	1,530	2,300	2,740	3,190	5,490	6,630	3,400	2,920	1,870	3,420	2,340	2,480
29	1,720	2,220	2,610	3,300	------	6,910	3,680	2,880	1,870	3,090	1,990	2,340
30	2,910	1,810	2,530	3,330	------	6,700	3,360	2,970	2,010	3,150	1,760	2,360
31	14,000	------	2,590	4,460	------	5,970	------	2,990	------	4,210	1,880	------
TOTAL	63,810	97,990	81,930	120,600	224,920	202,800	118,060	176,340	74,400	91,490	102,210	89,050
MEAN	2,058	3,266	2,643	3,890	8,033	6,542	3,935	5,688	2,480	2,951	3,297	2,968
MAX	14,000	13,000	5,470	9,640	24,800	25,800	7,050	24,500	3,360	5,360	7,000	10,400
MIN	1,040	1,810	1,810	2,530	2,750	3,360	2,880	2,560	1,870	1,710	1,760	1,660
CFSM	.74	1.17	.95	1.39	2.88	2.34	1.41	2.04	.89	1.06	1.18	1.06
IN.	.85	1.31	1.09	1.61	3.00	2.70	1.57	2.35	.99	1.22	1.36	1.19

CAL YR 1970 TOTAL 1,172,916 MEAN 3,213 MAX 32,100 MIN 996 CFSM 1.15 IN 15.64
WTR YR 1971 TOTAL 1,443,600 MEAN 3,955 MAX 25,800 MIN 1,040 CFSM 1.42 IN 19.25

PEAK DISCHARGE (BASE, 25,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-08	1530	13.32	26,000	5-16	2000	13.77	27,300
3-03	2230	15.05	31,200				

02157000 North Tyger River near Fairmont, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, on left bank 80 ft downstream from Frey Creek, 2.2 miles north of Fairmont, and at mile 57.9.

DRAINAGE AREA.--44 sq mi, approximately.

PERIOD OF RECORD.--October 1950 to current year.

GAGE.--Water-stage recorders and concrete control. Altitude of gage is 680 ft (from topographic map).

AVERAGE DISCHARGE.--21 years, 63.6 cfs (19.63 inches per year).

EXTREMES.--Current year: Maximum discharge, 832 cfs Feb. 23 (gage height, 4.86 ft); minimum daily, 11 cfs Oct. 3, 4.
Period of record: Maximum discharge, 3,610 cfs May 26, 1959 (gage height, 13.58 ft), from rating curve extended above 2,100 cfs; minimum, 6.0 cfs Sept. 19, 20, 1954; minimum daily, 7.0 cfs Sept. 19, 1954.

REMARKS.--Records good. Records of water temperature are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14	109	32	40	51	71	65	49	41	37	71	28
2	12	71	32	41	47	152	66	47	39	32	53	33
3	11	57	32	41	45	426	60	45	40	31	47	28
4	11	50	32	45	51	201	57	44	37	28	46	25
5	14	44	30	112	208	117	58	44	36	26	56	27
6	16	42	30	75	138	100	85	43	34	71	44	27
7	16	38	30	60	211	91	144	43	33	50	82	27
8	17	37	30	52	312	79	91	77	34	37	64	29
9	20	35	30	53	161	74	77	53	35	32	63	25
10	25	86	30	50	106	75	70	49	37	30	45	24
11	20	68	30	46	95	74	65	46	37	28	41	33
12	20	52	30	44	86	67	63	75	35	28	41	35
13	20	47	29	42	109	66	62	342	36	29	37	32
14	20	44	29	41	107	74	59	109	37	30	34	27
15	26	52	28	58	82	74	57	176	38	35	32	24
16	23	43	75	48	74	68	56	310	39	33	33	24
17	20	40	62	44	66	62	55	115	43	30	40	28
18	20	36	45	43	60	59	54	86	41	27	41	48
19	22	38	41	41	57	72	52	71	39	28	35	48
20	29	43	40	39	64	65	52	65	45	32	32	46
21	54	40	40	39	62	59	52	59	47	28	30	33
22	32	37	38	43	199	57	51	55	40	28	29	30
23	26	37	49	48	496	56	76	52	37	26	29	30
24	24	35	45	57	125	54	70	51	35	24	28	29
25	28	35	40	62	95	56	55	51	33	30	27	40
26	28	35	37	76	89	80	52	49	31	46	26	35
27	27	35	37	60	98	88	51	47	30	30	26	32
28	26	34	37	52	77	94	62	48	29	31	25	29
29	56	33	37	50	------	95	52	49	28	50	23	28
30	530	33	37	50	------	80	50	50	28	46	23	26
31	246	------	40	60	------	68	------	45	------	68	24	------
TOTAL	1,453	1,386	1,154	1,612	3,371	2,854	1,919	2,445	1,094	1,081	1,227	930
MEAN	46.9	46.2	37.2	52.0	120	92.1	64.0	78.9	36.5	34.9	39.6	31.0
MAX	530	109	75	112	496	426	144	342	47	71	82	48
MIN	11	33	28	39	45	54	50	43	28	24	23	24
CFSM	1.07	1.05	.85	1.18	2.73	2.09	1.45	1.79	.83	.79	.90	.70
IN.	1.23	1.17	.98	1.36	2.85	2.41	1.62	2.07	.92	.91	1.04	.79

CAL YR 1970 TOTAL 17,141 MEAN 47.0 MAX 530 MIN 11 CFSM 1.07 IN 14.49
WTR YR 1971 TOTAL 20,526 MEAN 56.2 MAX 530 MIN 11 CFSM 1.28 IN 17.35

PEAK DISCHARGE (BASE, 700 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-30	1145	4.31	722				
2-23	0730	4.86	832				

02159000 South Tyger River near Woodruff, S.C.

LOCATION.--Lat 34°45'21", long 81°56'19", Spartanburg County, on left bank at Chesnee Shoals, 0.5 mile upstream from confluence with North Tyger River, 5.75 miles east of Woodruff, and at mile 0.5.

DRAINAGE AREA.--174 sq mi.

PERIOD OF RECORD.--October 1933 to September 1971 (discontinued). Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder and concrete control. Datum of gage is 508.35 ft above mean sea level.

AVERAGE DISCHARGE.--38 years, 235 cfs (18.34 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,310 cfs Mar. 3 (gage height, 4.98 ft); minimum daily, 46 cfs Oct. 5.
Period of record: Maximum discharge, 9,510 cfs Apr. 6, 1936 (gage height, 9.78 ft), from rating curve extended above 7,700 cfs by velocity-area studies; minimum, 11 cfs Sept. 23, 1955 (gage height, 1.37 ft); minimum daily, 12 cfs Sept. 23, 1955.

REMARKS.--Records fair. Some regulation at low and medium flow by powerplants above station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	55	485	108	157	239	314	280	206	175	107	662	83
2	53	297	107	159	205	502	274	192	166	154	291	84
3	53	237	105	150	187	1,760	264	192	162	156	270	88
4	50	192	106	149	214	1,230	248	183	159	119	251	87
5	46	168	103	308	748	626	238	180	156	111	224	85
6	48	168	100	436	702	439	285	177	147	187	211	95
7	48	168	99	378	793	372	376	174	141	215	204	87
8	48	156	96	276	1,230	330	381	180	139	176	318	112
9	53	128	97	249	848	310	321	212	146	152	244	100
10	67	254	98	230	560	300	277	209	184	226	183	98
11	72	329	99	206	401	290	254	186	161	132	164	95
12	66	230	101	169	332	280	240	186	149	120	264	120
13	66	186	103	176	330	270	234	672	142	125	222	105
14	64	159	101	168	391	280	226	818	149	118	177	92
15	70	162	100	186	392	290	216	755	145	113	146	80
16	86	153	171	201	329	270	212	1,140	160	109	132	75
17	70	137	253	180	285	250	209	738	166	104	136	72
18	67	130	207	169	256	240	206	449	166	102	143	113
19	64	126	170	160	243	280	202	336	156	96	139	225
20	70	130	149	147	248	260	195	285	147	109	125	179
21	135	136	140	139	258	240	202	254	138	105	115	145
22	125	132	136	142	597	230	202	237	147	98	108	120
23	100	128	198	160	1,040	230	251	223	157	94	106	112
24	85	118	195	204	755	220	325	212	132	91	103	127
25	88	108	171	296	451	230	269	210	124	91	99	129
26	88	106	157	328	356	270	237	199	119	169	96	159
27	81	108	141	287	349	340	216	191	112	124	94	148
28	79	108	133	236	345	370	234	187	106	102	91	125
29	92	108	130	210	------	380	237	188	105	160	87	108
30	1,200	108	134	213	------	340	216	199	106	183	85	107
31	1,380	------	139	323	------	290	------	187	------	302	83	------
TOTAL	4,669	5,155	4,147	6,614	13,086	12,033	7,527	9,757	4,362	4,250	5,573	3,358
MEAN	151	172	134	220	467	388	251	315	145	137	180	112
MAX	1,380	485	253	436	1,230	1,760	381	1,140	184	302	662	225
MIN	46	106	96	139	187	220	195	174	105	91	83	72
CFSM	.87	.99	.77	1.26	2.68	2.23	1.44	1.81	.83	.79	1.03	.64
IN.	1.00	1.10	.89	1.46	2.80	2.57	1.61	2.09	.93	.91	1.19	.72

CAL YR 1970 TOTAL 62,345 MEAN 171 MAX 1,380 MIN 38 CFSM .98 IN 13.33
WTR YR 1971 TOTAL 80,731 MEAN 221 MAX 1,760 MIN 46 CFSM 1.27 IN 17.26

PEAK DISCHARGE (BASE, 1,800 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-30	2100	4.81	2,090	3-03	1730	4.98	2,310

02160000 Fairforest Creek near Union, S.C.

LOCATION.--Lat 34°40'45", long 81°41'25", Union County, on right bank at downstream side of bridge on State Highway 49, 0.3 mile downstream from Buffalo Creek, 4.3 miles southwest of Union, and at mile 7.5.

DRAINAGE AREA.--183 sq mi.

PERIOD OF RECORD.--June 1940 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 393.91 ft above mean sea level.

AVERAGE DISCHARGE.--31 years, 212 cfs (15.73 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,560 cfs Mar. 3 (gage height, 6.33 ft); minimum, 43 cfs Oct. 6.
Period of record: Maximum discharge, 7,720 cfs Apr. 8, 1964 (gage height, 7.83 ft); minimum, 4.5 cfs Oct. 8, 1954 (gage height, 1.65 ft).

REMARKS.--Records good. Discharge includes some water diverted from South Pacolet River Reservoir which is discharged into this stream after use.

REVISIONS (WATER YEARS).--WSP 1383: 1947. WSP 1904; 1940-49, 1951, 1952, 1954-60.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	51	967	89	160	340	260	230	144	106	98	400	81
2	51	449	89	190	220	743	225	133	106	100	512	92
3	51	292	89	164	185	3,640	220	126	113	205	316	92
4	50	240	89	148	245	2,600	190	116	106	148	190	84
5	46	200	86	470	806	974	180	116	109	106	589	81
6	45	168	84	428	897	470	346	126	113	176	255	81
7	46	120	81	292	1,520	358	435	130	98	370	176	81
8	48	103	78	205	2,080	292	414	130	92	358	190	84
9	53	95	84	245	1,230	255	275	176	92	172	176	95
10	58	190	86	275	701	215	225	126	95	505	126	84
11	56	414	86	215	414	200	200	109	130	463	123	84
12	53	463	89	176	328	176	180	126	103	250	148	100
13	50	235	89	156	382	172	176	1,000	95	168	130	106
14	51	172	84	148	435	185	172	1,040	95	152	113	148
15	53	168	81	185	376	205	164	918	92	180	106	95
16	63	160	340	230	304	230	156	2,060	123	140	103	84
17	56	137	568	172	245	172	152	1,450	133	126	120	86
18	50	130	376	152	195	172	152	554	148	113	140	113
19	48	113	180	168	172	195	143	310	144	103	126	168
20	50	133	144	190	185	160	144	245	144	106	113	245
21	76	176	130	185	260	148	172	185	190	126	103	148
22	100	172	123	195	575	144	190	148	152	109	98	113
23	74	164	140	215	736	286	280	133	156	103	144	109
24	60	152	255	407	778	540	428	130	123	98	100	103
25	60	148	172	540	400	673	286	130	106	106	92	103
26	69	152	133	575	316	736	180	123	98	126	89	120
27	67	148	116	435	316	547	160	116	106	130	92	106
28	58	148	109	298	286	322	190	116	95	109	89	98
29	60	120	106	205	------	260	250	120	92	103	86	95
30	185	95	113	200	------	250	190	120	89	185	84	95
31	512	------	123	491	------	240	------	116	------	255	81	------
TOTAL	2,350	6,424	4,412	8,115	14,927	15,820	6,710	10,572	3,444	5,489	5,210	3,174
MEAN	75.8	214	142	262	533	510	224	341	115	177	168	106
MAX	512	967	568	575	2,080	3,640	435	2,060	190	505	589	245
MIN	45	95	78	148	172	144	144	109	89	98	81	81
CFSM	.41	1.17	.78	1.43	2.91	2.79	1.22	1.86	.63	.97	.92	.58
IN.	.48	1.31	.90	1.65	3.03	3.22	1.36	2.15	.70	1.12	1.06	.65

CAL YR 1970 TOTAL 56,609 MEAN 155 MAX 1,460 MIN 40 CFSM .85 IN 11.51
WTR YR 1971 TOTAL 86,647 MEAN 237 MAX 3,640 MIN 45 CFSM 1.30 IN 17.61

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-07	1630	5.52	2,960	3-03	1830	6.33	4,560

02160500 Enoree River near Enoree, S.C.

LOCATION.--Lat 34°36'38", long 81°54'35", Spartanburg County, on left bank 60 ft upstream from bridge on State Highway 49, 0.6 mile upstream from Warrior Creek, 4.0 miles southeast of Enoree, and at mile 41.6.

DRAINAGE AREA.--307 sq mi.

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage and water-temperature recorders. Datum of gage is 448.13 ft above mean sea level. Prior to Nov. 20, 1929, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 417 cfs (18.45 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,530 cfs Mar. 3 (gage height, 5.05 ft); minimum, 72 cfs Oct. 6; minimum daily, 75 cfs Oct. 6.

Period of record: Maximum discharge, 30,000 cfs Oct. 2, 1929 (gage height, 10.5 ft, from floodmark), from rating curve extended above 17,000 cfs; minimum, 8 cfs Oct. 5, 1941; minimum daily, 20 cfs Oct. 2-4, 7, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Records of chemical analyses and water temperature are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 802: 1930(M). WSP 892: 1929-30, 31(M), 1932-33, 1935. WSP 1112: 1934(M). WSP 1383: 1935-36(m), 1941(m), 1951-52(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	84	849	228	296	510	520	588	396	323	244	924	189
2	81	480	228	318	399	1,070	546	388	323	285	770	189
3	81	453	228	303	366	4,030	536	379	315	487	496	189
4	81	374	222	282	444	3,900	506	371	300	270	413	183
5	78	334	216	591	1,360	1,400	478	362	293	244	515	178
6	75	296	216	726	1,720	795	557	362	308	308	845	183
7	81	282	216	480	1,870	676	653	362	285	478	449	178
8	84	268	210	390	2,900	588	676	371	279	322	458	178
9	90	254	216	426	2,240	536	557	405	293	270	362	200
10	114	602	216	399	1,080	516	516	371	371	388	362	189
11	126	679	216	350	714	516	487	354	323	292	315	183
12	118	444	222	326	613	497	478	388	293	257	458	264
13	118	366	216	310	679	468	468	1,400	278	250	630	205
14	114	318	210	303	810	497	449	1,340	293	238	379	189
15	114	318	210	342	690	506	440	1,320	323	224	315	178
16	170	318	453	382	580	630	440	2,760	308	212	300	172
17	145	289	550	334	530	506	430	1,450	315	205	338	178
18	126	275	382	303	500	468	422	676	330	257	322	231
19	122	268	303	289	462	487	422	525	330	212	292	422
20	140	275	282	275	453	578	413	459	315	212	264	379
21	210	282	275	268	510	497	413	422	308	224	250	264
22	240	275	254	268	940	468	413	413	315	205	244	238
23	186	261	275	282	2,170	459	497	388	458	188	238	231
24	160	247	366	444	1,570	440	758	379	322	188	238	218
25	165	240	318	624	738	440	536	362	278	205	224	225
26	180	234	282	657	602	609	449	345	244	330	218	315
27	165	234	261	550	613	820	422	338	264	292	212	315
28	155	234	247	426	591	1,050	440	338	250	250	238	251
29	180	234	247	374	------	1,170	487	354	244	270	224	231
30	2,100	234	247	390	------	951	413	371	244	478	205	212
31	2,880	------	254	702	------	688	------	354	------	630	188	------
TOTAL	8,763	10,217	8,266	12,410	26,654	26,776	14,890	18,503	9,124	8,915	11,686	6,757
MEAN	283	341	267	400	952	864	496	597	304	288	377	225
MAX	2,880	849	550	726	2,900	4,030	758	2,760	458	630	924	422
MIN	75	234	210	268	366	440	413	338	244	188	188	172
CFSM	.92	1.11	.87	1.30	3.10	2.81	1.62	1.94	.99	.94	1.23	.73
IN.	1.06	1.24	1.00	1.50	3.23	3.24	1.80	2.24	1.11	1.08	1.42	.82

CAL YR 1970 TOTAL 109,347 MEAN 300 MAX 2,880 MIN 75 CFSM .98 IN 13.25
WTR YR 1971 TOTAL 162,961 MEAN 446 MAX 4,030 MIN 75 CFSM 1.45 IN 19.75

PEAK DISCHARGE (BASE, 3,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-31	0200	4.45	3,780				
3-03	2330	5.05	5,530				

02161500 Broad River at Richtex, S.C.

LOCATION.--Lat 34°11'05", long 81°11'48", Fairfield County, on right bank 0.8 mile west of Richtex, 1.2 miles upstream from Little River, 10.2 miles downstream from Parr Shoals Dam, and at mile 191.2.

DRAINAGE AREA.--4,850 sq mi, approximately.

PERIOD OF RECORD.--October 1925 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 184.84 ft above mean sea level.

AVERAGE DISCHARGE.--46 years, 6,033 cfs (16.89 inches per year).

EXTREMES.--Current year: Maximum discharge, 58,000 cfs Mar. 4 (gage height, 13.73 ft); minimum daily, 660 cfs Oct. 5.
Period of record: Maximum discharge, 228,000 cfs Oct. 3, 1929 (gage height, 30.7 ft, from floodmarks), on basis of computation of flow over Parr Shoals Dam; minimum daily, 149 cfs Oct. 13, 1935, Sept. 2, 1957.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff.

REVISIONS (WATER YEARS).--WSP 757: 1930(M). WSP 972: Drainage area. WSP 1383: 1929(M), 1933.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,350	24,800	2,450	3,820	8,980	8,210	9,670	4,370	4,030	2,710	6,560	2,110
2	1,430	15,900	2,460	4,240	6,880	13,000	7,940	4,200	3,520	3,980	7,870	2,270
3	1,070	8,680	2,370	4,320	4,700	35,200	6,920	3,980	3,410	4,520	8,600	2,450
4	1,600	6,430	3,230	3,660	4,940	56,200	6,490	3,660	3,130	4,790	8,090	2,750
5	660	5,560	2,630	5,360	6,490	45,800	5,780	3,500	3,280	3,190	6,050	2,680
6	1,110	4,560	2,650	12,300	15,500	26,100	6,160	3,770	3,590	3,290	6,920	1,530
7	1,860	3,910	2,430	13,200	19,600	14,200	8,580	3,670	2,520	4,520	8,000	2,730
8	1,220	3,610	2,280	8,820	36,400	10,000	10,400	3,540	3,110	5,540	7,100	2,380
9	943	2,420	1,940	8,160	42,900	8,440	9,400	4,020	2,780	7,130	5,760	2,160
10	1,280	3,690	2,800	9,110	30,100	7,530	7,530	3,970	2,960	4,830	4,460	2,320
11	1,670	5,140	2,170	7,950	17,600	7,130	6,480	3,580	2,900	6,590	4,160	2,620
12	919	8,040	2,630	6,190	10,900	6,830	5,360	3,720	3,250	5,600	5,400	3,000
13	1,920	7,040	2,580	5,050	8,470	6,290	5,300	8,750	3,080	4,340	5,160	2,660
14	1,440	5,190	2,340	4,510	10,400	6,080	5,100	22,700	2,720	3,660	5,270	3,040
15	1,840	4,510	2,610	6,710	12,200	5,800	4,890	20,500	2,890	3,420	3,950	2,460
16	1,870	4,480	4,750	6,490	10,300	6,510	5,000	28,600	2,870	3,470	4,800	2,180
17	1,490	4,390	11,900	5,780	8,690	6,960	4,440	38,900	4,110	4,290	7,510	2,160
18	1,820	3,520	10,800	4,710	7,360	6,730	4,790	26,300	5,760	3,070	8,230	2,040
19	1,300	3,490	6,970	4,140	6,790	6,490	3,950	14,000	7,350	2,340	6,560	6,520
20	2,340	3,010	4,520	3,860	6,640	6,190	4,280	8,680	4,610	2,750	3,850	17,000
21	2,250	3,170	3,730	3,570	6,260	6,090	4,240	7,060	4,420	3,660	4,810	12,400
22	1,370	3,450	3,430	4,070	6,700	5,910	4,520	6,050	3,750	3,490	3,840	6,190
23	3,300	2,930	3,330	3,890	11,900	5,390	4,860	5,420	5,270	2,310	2,750	6,800
24	2,970	3,050	3,380	4,230	23,800	4,920	8,090	4,090	4,280	2,630	3,17	7,110
25	2,920	2,670	5,240	7,630	17,800	4,900	8,430	4,510	3,320	3,180	3,700	4,580
26	2,360	2,760	5,890	11,800	11,400	7,040	6,820	4,160	3,370	3,560	3,060	3,010
27	1,910	2,930	4,720	10,400	9,000	9,010	5,000	4,850	2,950	3,640	3,380	3,500
28	1,730	2,790	3,280	7,510	8,420	12,000	4,780	3,800	2,790	3,960	3,170	3,200
29	1,840	2,940	3,510	5,660	-------	14,400	4,980	4,120	2,890	3,690	2,290	3,160
30	4,700	2,460	3,430	5,060	-------	16,900	5,360	3,900	2,330	3,690	2,340	2,840
31	21,600	-------	3,320	8,210	-------	13,200	-------	3,870	-------	4,910	2,210	-------
TOTAL	76,082	157,520	119,770	200,410	371,620	389,450	185,540	266,440	107,240	122,750	159,060	119,850
MEAN	2,454	5,251	3,865	6,465	13,270	12,560	6,185	8,595	3,575	3,960	5,131	3,995
MAX	21,600	24,800	11,900	13,200	42,900	56,200	10,400	38,900	7,350	7,130	8,600	17,000
MIN	660	2,420	1,940	3,570	4,700	4,900	3,950	3,500	2,330	2,310	2,210	1,530
CFSM	.51	1.08	.80	1.33	2.74	2.59	1.28	1.77	.74	.82	1.06	.82
IN.	.58	1.21	.92	1.54	2.85	2.99	1.42	2.04	.82	.94	1.22	.92

CAL YR 1970 TOTAL 1,638,311 MEAN 4,489 MAX 38,500 MIN 660 CFSM .93 IN 12.57
WTR YR 1971 TOTAL 2,275,732 MEAN 6,235 MAX 56,200 MIN 660 CFSM 1.29 IN 17.46

PEAK DISCHARGE (BASE, 35,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-09	0700	11.70	45,000	5-17	1230	10.88	40,100
3-04	1630	13.73	58,000				

02162010 Cedar Creek near Blythewood, S.C.

LOCATION.--Lat 34°11'44", long 81°06' 13", Richland County, on right bank at downstream side of bridge on State road 59, 0.2 mile above Williams Branch, 8 miles southwest of Blythewood, and at mile 6.9.

DRAINAGE AREA.--48 sq mi, approximately.

PERIOD OF RECORD.--November 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 240 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 2,830 cfs Mar. 3 (gage height, 12.81 ft); minimum daily, 1.1 cfs Oct. 7.
Period of record: Maximum discharge, 4,870 cfs July 4, 1968 (gage height, 18.42 ft); minimum daily, 0.66 cfs Oct. 5, 6, 1968.

REMARKS.--Records good except for periods of no gage-height record which are poor. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.6	42	8.6	34	118	43	67	23	10	20	50	6.0
2	2.1	28	9.5	22	42	718	58	21	9.0	30	60	6.0
3	1.9	20	9.6	18	47	1,840	59	20	8.0	40	40	6.0
4	6.0	16	8.6	17	42	410	48	15	7.0	30	20	6.0
5	2.2	14	8.6	20	61	132	47	15	7.0	20	10	6.0
6	1.4	13	7.9	21	62	86	167	15	7.0	10	40	5.0
7	1.1	12	7.9	17	618	67	97	15	6.0	15	30	5.0
8	1.2	11	7.9	16	898	53	64	15	6.0	15	20	5.0
9	1.5	9.5	7.5	58	266	45	52	15	6.0	10	10	5.0
10	1.7	118	8.3	55	101	42	45	15	6.0	9.0	8.0	5.0
11	1.9	94	8.6	34	68	40	40	40	6.0	8.0	10	5.0
12	2.6	32	8.6	27	56	37	36	90	6.0	8.0	20	5.0
13	2.7	20	9.0	22	58	35	34	240	6.0	7.0	15	5.0
14	2.4	16	9.0	20	49	39	32	200	6.0	7.0	10	4.0
15	2.7	14	8.3	510	42	37	28	100	9.0	6.0	9.0	4.0
16	19	13	525	109	38	48	28	300	15	6.0	20	5.0
17	5.1	12	186	56	35	36	27	400	35	5.0	50	9.0
18	2.7	11	52	41	32	30	25	150	45	8.0	90	15
19	2.2	11	32	32	31	32	24	50	40	15	70	20
20	6.0	11	25	25	32	37	23	30	30	20	30	20
21	44	11	22	23	38	29	23	20	40	15	20	20
22	14	10	19	22	86	28	22	15	50	10	15	40
23	7.2	10	18	22	97	30	205	10	70	8.0	10	40
24	4.8	10	18	24	51	28	214	15	60	7.0	9.0	20
25	34	9.5	16	161	40	29	63	10	40	20	10	10
26	24	10	15	328	36	638	42	10	20	30	15	9.0
27	11	9.5	14	85	51	342	33	10	10	40	30	8.0
28	7.2	9.5	13	50	42	240	32	15	8.0	150	20	7.0
29	5.7	9.5	14	40	------	384	28	15	7.0	100	10	6.0
30	453	9.5	17	41	------	229	24	10	7.0	30	8.0	5.0
31	113	------	19	595	------	97	------	10	------	40	6.0	------
TOTAL	786.9	616.0	1,133.2	2,545	3,152	5,881	1,687	1,984	582.0	739.0	765.0	312.0
MEAN	25.4	20.5	36.6	82.1	113	190	56.2	61.4	19.4	23.8	24.7	10.4
MAX	453	118	525	595	898	1,840	214	400	70	150	90	40
MIN	1.1	9.5	7.5	16	31	28	22	10	6.0	5.0	6.0	4.0
CFSM	.53	.43	.76	1.71	2.35	3.96	1.17	1.28	.40	.50	.51	.22
IN.	.61	.48	.88	1.97	2.44	4.56	1.31	1.48	.45	.57	.59	.24

CAL YR 1970 TOTAL 10,006.5 MEAN 27.4 MAX 1,170 MIN 1.1 CFSM .57 IN 7.76
WTR YR 1971 TOTAL 20,103.1 MEAN 55.1 MAX 1,840 MIN 1.1 CFSM 1.15 IN 15.58

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-30	1400	7.85	1,260	2-08	1700	9.62	1,790
12-16	1800	9.01	1,600	3-03	1715	12.81	2,830
1-15	1115	8.19	1,360	3-26	0630	7.33	1,100
1-31	0745	7.81	1,240				

NOTE.--No gage-height record May 29 to July 21, July 30 to Sept. 30.

02162080 Crane Creek at Columbia, S.C.

LOCATION (REVISED).--Lat 34°03'14", long 81°03'36", Richalnd County, at bridge on Brickyard Road, 1.3 miles upstream from mouth, 1.2 miles downstream from State Highway 215, and 4.0 miles northwest of State Capitol.

DRAINAGE AREA.--66.3 sq mi.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 160 ft (from topographic map). Auxiliary water-stage recorder on the Broad River at the Columbia Canal Diversion Dam near Columbia.

EXTREMES.--Current year: Maximum discharge, 2,530 cfs Aug. 5 (gage height, 10.97 ft); minimum daily, 5.5 cfs Oct. 7.
Period of record: Maximum discharge, that of Aug. 5, 1971; minimum daily, 0.10 July 30, 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21	125	35	78	377	120	140	62	26	73	608	30
2	13	90	36	56	185	312	119	54	19	382	240	36
3	10	44	36	44	133	1,060	107	51	15	382	135	30
4	8.7	38	41	41	106	1,390	100	45	14	85	89	25
5	7.5	31	36	49	122	554	109	42	9.3	77	379	24
6	6.3	27	29	45	126	326	219	38	10	139	250	22
7	5.5	27	28	39	206	219	186	34	7.0	161	150	19
8	6.1	26	25	40	534	172	147	33	7.5	109	110	18
9	7.7	25	25	116	441	136	113	34	7.3	154	95	20
10	7.7	35	25	98	243	104	97	32	7.0	135	90	26
11	7.7	115	25	74	171	114	86	26	15	51	80	46
12	14	76	27	61	134	115	82	29	19	36	70	86
13	13	54	30	50	131	109	75	176	11	31	65	35
14	13	43	29	45	117	108	70	106	9.0	29	90	24
15	21	46	27	146	107	110	70	85	11	26	150	19
16	43	43	221	158	99	122	65	212	9.0	24	250	17
17	26	36	380	97	93	103	60	120	58	21	600	14
18	16	35	148	77	88	90	55	63	154	19	500	56
19	13	33	93	61	79	98	50	58	71	30	228	176
20	83	38	62	49	84	101	45	37	31	48	141	100
21	116	39	46	44	90	89	45	45	21	127	89	66
22	74	37	52	53	183	82	48	31	18	119	85	102
23	48	35	46	67	334	92	48	26	19	56	85	42
24	31	33	47	74	201	80	50	23	15	113	82	37
25	140	31	39	122	151	92	126	21	13	178	74	31
26	110	30	33	294	118	492	107	20	12	229	59	27
27	69	31	30	166	148	386	73	17	88	294	116	26
28	44	32	29	109	120	310	145	23	229	113	67	21
29	33	31	33	86	------	257	100	48	65	371	45	19
30	184	31	52	75	------	274	73	51	37	478	35	17
31	280	------	70	395	------	180	------	37	------	386	31	------
TOTAL	1,472.2	1,317	1,835	2,909	4,921	7,797	2,810	1,679	1,027.1	4,476	5,088	1,211
MEAN	47.5	43.9	59.2	93.8	176	252	93.7	54.2	34.2	144	164	40.4
MAX	280	125	380	395	534	1,390	219	212	229	478	608	176
MIN	5.5	25	25	39	79	80	45	17	7.0	19	31	14
CFSM	.71	.66	.89	1.41	2.65	3.79	1.41	.82	.51	2.17	2.47	.61
IN.	.82	.74	1.03	1.63	2.75	4.36	1.57	.94	.57	2.50	2.85	.68

CAL YR 1970 TOTAL 14,433.67 MEAN 39.5 MAX 668 MIN .55 CFSM .59 IN 8.07
WTR YR 1971 TOTAL 36,542.30 MEAN 100 MAX 1,390 MIN 5.5 CFSM 1.50 IN 20.44

PEAK DISCHARGE (BASE, 1,000 CFS)

DATE	TIME	G. H.	DISCHARGE
3-06	0100	10.76	2,380
8-05	2400	10.97	2,530

02162500 Saluda River near Greenville, S.C.

LOCATION (REVISED).--Lat 34°50'32", long 82°28'51", Pickens County, on right bank 700 ft upstream from bridge on State Road 124, 1.6 miles downstream from Saluda Lake Dam, 2.4 miles upstream from Georges Creek, 4.6 miles west of city hall in Greenville, and at mile 132.0.

DRAINAGE AREA.--293 sq mi.

PERIOD OF RECORD.--October 1941 to current year. Monthly discharge only for some periods, published in WSP 1303. Prior to October 1948, published as "near West Greenville."

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (from topographic map).

AVERAGE DISCHARGE.--30 years, 621 cfs (28.78 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,290 cfs Oct. 30 (gage height, 5.54 ft); minimum, 68 cfs Oct. 23 (gage height, 1.97 ft); minimum daily, 168 cfs Oct. 5, 6.

Period of record: Maximum discharge, 11,000 cfs Oct. 7, 1949 (gage height, 19.38 ft), from rating curve extended above 7,500 cfs on basis of computation of peak flow over dam at Saluda Lake; minimum, 28 cfs Feb. 1, 1956 (gage height, 1.65 ft); minimum daily, 70 cfs Oct. 16, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplant at Saluda Lake. Capacity of reservoir insufficient to affect monthly figures of runoff. About 35,751,840 gal per day (55.3 cfs) diverted above station for city of Greenville water supply during water year. City of Greenville began diverting water from Saluda River (Table Rock Reservoir) in 1930, supplemented by North Saluda Reservoir in 1961. Sewage effluent discharged into Reedy River below station near Greenville.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	181	1,220	348	343	510	771	698	510	430	440	850	297
2	178	806	313	348	402	1,040	731	510	343	375	1,110	352
3	181	655	330	348	500	1,440	705	397	495	370	1,210	406
4	176	543	305	425	505	1,650	737	475	379	370	1,150	313
5	168	406	245	1,400	911	1,330	698	475	352	402	903	325
6	168	465	253	1,610	1,270	1,210	724	465	460	384	679	321
7	171	415	221	959	1,070	835	1,050	450	388	521	565	313
8	176	317	210	614	1,320	880	975	455	330	521	548	325
9	184	370	221	587	1,460	744	764	532	435	357	603	313
10	221	475	217	548	1,050	828	673	521	375	388	614	317
11	375	698	214	543	835	692	692	450	397	450	655	317
12	705	490	217	430	705	785	785	576	411	435	911	305
13	370	430	253	495	919	850	637	1,760	301	375	692	281
14	325	370	297	425	1,310	737	554	1,550	475	297	440	277
15	297	460	277	510	1,040	737	620	1,240	532	301	339	265
16	273	460	430	485	873	919	587	1,130	450	301	445	257
17	221	370	603	352	757	835	521	1,200	317	305	445	257
18	221	510	406	495	643	711	521	975	470	339	339	505
19	228	592	321	406	643	880	526	692	495	313	420	888
20	261	406	321	343	643	813	537	643	425	375	384	565
21	587	450	435	406	673	806	537	643	402	305	343	465
22	667	475	339	425	999	620	603	637	526	325	343	384
23	343	352	406	397	1,920	592	592	570	420	289	357	411
24	339	313	495	778	1,410	637	757	649	339	273	379	357
25	375	357	455	975	983	698	724	570	339	261	321	888
26	357	334	330	843	888	835	470	321	334	265	309	850
27	301	309	330	625	1,120	843	415	425	334	289	281	548
28	281	325	348	565	911	559	559	515	334	321	297	500
29	388	330	330	548	------	888	559	521	334	357	293	375
30	1,790	366	317	532	------	975	543	475	317	975	297	485
31	2,110	------	425	537	------	835	------	500	------	895	289	------
TOTAL	12,618	14,069	10,212	18,297	26,270	26,975	19,494	20,832	11,939	12,174	16,811	12,462
MEAN	407	469	329	590	938	870	650	672	398	393	542	415
MAX	2,110	1,220	603	1,610	1,920	1,650	1,050	1,760	532	975	1,210	888
MIN	168	309	210	343	402	559	415	321	301	261	281	257
CFSM	1.39	1.60	1.12	2.01	3.20	2.97	2.22	2.29	1.36	1.34	1.85	1.42
IN.	1.60	1.79	1.30	2.32	3.34	3.42	2.48	2.64	1.52	1.55	2.13	1.58

CAL YR 1970 TOTAL 164,192 MEAN 450 MAX 2,110 MIN 99 CFSM 1.54 IN 20.85
WTR YR 1971 TOTAL 202,153 MEAN 554 MAX 2,110 MIN 168 CFSM 1.89 IN 25.67

PEAK DISCHARGE (BASE, 2,800 CFS).--No peaks above base.

02163000 Saluda River near Pelzer, S.C.

LOCATION.--Lat 34°40'05", long 82°27'55", Anderson County, on right bank 0.4 mile downstream from Hurricane Creek, 1.9 miles north of Pelzer, and at mile 114.2.

DRAINAGE AREA.--405 sq mi.

PERIOD OF RECORD.--September 1929 to current year (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 727.75 ft above mean sea level, unadjusted. Prior to Sept. 26, 1929, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--42 years, 783 cfs (26.25 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,630 cfs Mar. 3 (gage height, 4.52 ft); minimum, 191 cfs Oct. 6; minimum daily, 211 cfs Oct. 6.

Period of record: Maximum discharge, 13,600 cfs Oct. 7, 1949 (gage height, 10.53 ft); minimum, 2 cfs Sept. 2, 1956, Dec. 21, 1958; minimum gage height, 0.53 ft Sept. 2, 1956; minimum daily discharge, 57 cfs Oct. 17, 1954.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion by city of Greenville (see sta 02162500).

REVISIONS (WATER YEARS).--WSP 872: Drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	223	1,820	508	473	710	916	968	638	606	523	1,220	341
2	231	1,060	380	445	608	1,390	914	630	473	557	1,560	388
3	231	843	410	438	545	2,900	861	582	566	453	1,430	480
4	223	698	410	452	706	2,280	902	501	574	483	1,460	377
5	235	605	345	1,280	1,340	1,760	811	646	466	494	1,220	376
6	211	556	325	2,050	1,620	1,440	1,010	508	529	488	1,000	392
7	223	582	335	1,300	1,760	1,260	1,100	606	566	621	719	378
8	215	454	300	854	2,010	976	1,280	508	452	662	734	408
9	219	474	296	694	1,870	1,040	996	662	508	553	895	386
10	235	570	296	688	1,460	923	835	614	582	409	816	359
11	305	846	296	633	1,060	1,010	851	574	452	591	822	379
12	686	703	287	599	985	849	885	810	606	461	1,180	370
13	536	610	305	503	1,120	1,010	882	2,440	431	544	1,010	347
14	374	471	350	586	1,500	987	698	2,110	545	387	685	322
15	350	593	368	541	1,330	882	714	1,690	692	377	460	326
16	325	566	480	674	1,080	1,110	765	1,790	686	385	485	308
17	277	558	737	445	980	1,080	660	1,550	434	369	622	315
18	273	451	630	509	812	824	654	1,240	541	406	454	662
19	275	868	424	553	787	1,090	653	970	616	454	497	1,150
20	303	509	410	414	827	1,030	664	827	626	507	469	806
21	539	568	487	452	831	972	667	818	518	411	436	603
22	810	595	452	496	1,420	889	686	800	585	409	419	534
23	539	523	582	475	2,260	709	840	791	698	387	445	476
24	335	402	582	833	1,910	783	876	728	473	346	440	526
25	394	415	638	1,150	1,270	778	977	845	441	384	410	954
26	464	459	459	1,130	1,110	1,060	691	508	440	391	385	1,220
27	350	396	424	921	1,200	1,150	481	487	446	359	351	727
28	344	396	417	676	1,250	971	716	630	432	393	345	628
29	359	433	445	701	------	1,160	703	710	429	506	351	536
30	1,880	398	398	677	------	1,230	675	598	431	938	355	482
31	2,570	------	487	904	------	1,070	------	654	------	1,180	351	------
TOTAL	14,534	18,422	13,263	22,546	34,361	35,529	24,415	27,465	15,844	15,428	22,026	15,556
MEAN	469	614	428	727	1,227	1,146	814	886	528	498	711	519
MAX	2,570	1,820	737	2,050	2,260	2,900	1,280	2,440	698	1,180	1,560	1,220
MIN	211	396	287	414	545	709	481	487	429	346	345	308
CFSM	1.16	1.52	1.06	1.80	3.03	2.83	2.01	2.19	1.30	1.23	1.76	1.28
IN.	1.33	1.69	1.22	2.07	3.16	3.26	2.24	2.52	1.46	1.42	2.02	1.43

CAL YR 1970 TOTAL 204,734 MEAN 561 MAX 2,570 MIN 140 CFSM 1.39 IN 18.81
WTR YR 1971 TOTAL 259,389 MEAN 711 MAX 2,900 MIN 211 CFSM 1.76 IN 23.83

PEAK DISCHARGE (BASE, 3,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	1300	4.52	3,630				

02163500 Saluda River near Ware Shoals, S.C.

LOCATION.--Lat 34°23'12", long 82°13'20", Greenwood County, on right bank 2 miles southeast of Ware Shoals, 2.5 miles downstream from Ware Shoals Dam, 5 miles upstream from Turkey Creek, and at mile 83.7.

DRAINAGE AREA.--569 sq mi.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 448 ft (by barometer).

AVERAGE DISCHARGE.--33 years, 984 cfs (23.48 inches per year).

EXTREMES.--Current year: Maximum discharge, 10,700 cfs Mar. 3 (gage height, 16.38 ft); minimum daily, 166 cfs Oct. 4.
Period of record: Maximum discharge, 20,600 cfs Aug. 13, 1940 (gage height, 20.48 ft), from rating curve extended above 14,000 cfs on basis of computation of peak flow over dam; minimum, 3 cfs Sept. 18, 1939; minimum daily, 11 cfs Oct. 12, 19, 1941.

REMARKS.--Records good. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion by city of Greenville (see sta. 02162500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939. WSP 1433: 1940-41, 1943-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	275	2,280	533	554	1,170	1,340	1,200	845	744	451	1,230	537
2	258	1,600	554	574	759	2,140	1,080	762	654	546	1,460	478
3	202	1,140	487	514	671	7,260	940	795	595	631	1,660	384
4	166	817	505	522	815	4,220	1,080	717	645	510	1,530	523
5	315	701	437	988	1,340	2,850	980	721	640	586	1,850	523
6	307	633	474	1,630	1,860	2,320	1,160	703	532	681	1,870	447
7	272	608	426	1,710	2,770	1,960	1,080	717	667	690	1,100	546
8	191	552	474	1,380	3,840	1,640	1,340	766	618	649	960	465
9	281	523	389	871	2,820	1,520	1,300	708	528	654	1,090	546
10	284	796	409	779	2,330	1,260	1,020	915	636	537	1,190	402
11	250	808	399	815	1,870	1,290	885	771	640	492	766	433
12	356	872	370	739	1,470	1,030	980	835	595	645	1,250	393
13	728	697	389	619	1,360	1,110	980	2,090	577	514	1,200	447
14	451	643	397	683	1,480	1,120	1,090	2,490	532	555	1,080	447
15	425	569	435	691	1,990	1,190	730	2,380	640	438	681	375
16	383	631	689	747	1,590	1,240	805	3,070	717	348	753	361
17	339	643	848	691	1,700	1,180	730	2,180	766	397	730	366
18	261	558	734	547	1,120	1,040	690	1,900	577	370	708	591
19	311	676	625	663	1,060	1,050	712	1,600	631	487	609	885
20	411	750	519	627	1,130	1,230	739	1,270	636	618	577	1,300
21	438	561	511	495	1,110	955	676	935	676	595	523	744
22	666	618	575	583	1,600	1,030	703	960	537	510	519	753
23	662	617	549	623	3,170	800	950	920	771	465	586	537
24	419	541	646	711	2,830	820	1,260	850	636	420	568	514
25	388	504	629	1,140	2,100	930	885	865	487	456	541	658
26	474	464	651	1,580	1,770	1,210	1,200	880	460	568	483	1,120
27	462	508	556	1,280	1,620	1,380	744	627	672	501	442	1,270
28	360	527	517	851	1,320	1,690	815	640	388	478	420	613
29	411	481	495	791	------	1,800	915	757	451	568	438	600
30	2,780	467	568	807	------	1,780	845	790	456	735	483	550
31	2,720	------	505	1,120	------	1,540	------	753	------	1,350	465	------
TOTAL	16,246	21,785	16,295	26,325	48,665	51,925	28,514	35,212	18,104	17,445	27,762	17,808
MEAN	524	726	526	849	1,738	1,675	950	1,136	603	563	896	594
MAX	2,780	2,280	848	1,710	3,840	7,260	1,340	3,070	771	1,350	1,870	1,300
MIN	166	464	370	495	671	800	676	627	388	348	420	361
CFSM	.92	1.28	.92	1.49	3.05	2.94	1.67	2.00	1.06	.99	1.57	1.04
IN.	1.06	1.42	1.07	1.72	3.18	3.39	1.86	2.30	1.18	1.14	1.82	1.16

CAL YR 1970 TOTAL 233,846 MEAN 641 MAX 2,780 MIN 166 CFSM 1.13 IN 15.29
WTR YR 1971 TOTAL 326,086 MEAN 893 MAX 7,260 MIN 166 CFSM 1.57 IN 21.32

PEAK DISCHARGE (BASE, 5,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-07	2230	10.42	5,040	3-03	1330	16.38	10,700

02164000 Reedy River near Greenville, S.C.

LOCATION.--Lat 34°48'00", long 82°21'55", Greenville County, on right bank 375 ft downstream from bridge on Interstate Highway 85, 0.5 mile upstream from Brushy Creek, 2.5 miles upstream from dam at Conestee, 3.9 miles southeast of city hall in Greenville, and at mile 48.5.

DRAINAGE AREA.--48.6 sq mi.

PERIOD OF RECORD.--October 1941 to September 1971(discontinued). Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Altitude of gage is 800 ft (from topographic map).

AVERAGE DISCHARGE.--30 years, 83.0 cfs (23.19 inches per year).

EXTREMES.--Current year: Maximum discharge, 2,080 cfs May 12 (gage height, 6.77 ft); minimum daily, 24 cfs Oct. 4-7.
Period of record: Maximum discharge, 4,050 cfs Mar. 6, 1963 (gage height, 10.12 ft), from rating curve extended above 2,600 cfs; minimum, 4.6 cfs Oct 11, 1966.

REMARKS.--Records good except for periods of no gage-height record which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	26	61	40	61	80	83	83	54	46	43	177	33
2	26	54	40	51	70	285	90	51	46	58	152	33
3	26	52	41	48	60	751	76	51	46	43	132	32
4	24	48	43	99	90	202	72	52	52	36	63	28
5	24	44	43	335	200	132	76	52	43	65	162	30
6	24	43	36	114	400	109	142	52	38	102	69	30
7	24	41	36	78	350	109	169	52	56	48	52	52
8	26	41	41	69	200	85	102	81	44	81	44	54
9	28	38	43	88	150	78	88	52	67	41	69	33
10	30	164	43	69	120	90	81	49	46	52	48	32
11	32	74	40	60	110	83	76	51	43	52	149	35
12	36	56	43	50	100	72	76	456	43	36	261	28
13	70	48	38	50	110	94	76	533	52	36	69	27
14	110	56	36	60	120	90	74	107	94	36	51	27
15	70	61	38	80	110	147	74	425	61	35	43	27
16	40	43	174	80	90	92	72	264	44	35	41	25
17	34	43	69	60	80	78	69	119	56	33	49	48
18	30	44	49	50	74	72	67	92	92	32	48	376
19	70	43	46	50	69	149	65	83	48	61	43	90
20	90	67	41	45	117	92	127	67	48	51	41	48
21	120	48	44	45	102	76	72	65	54	35	41	49
22	90	41	43	45	631	69	63	56	78	33	38	40
23	70	40	127	45	215	67	202	51	48	32	36	38
24	50	40	65	60	114	65	94	51	43	32	36	63
25	36	41	48	100	92	74	65	54	41	35	35	172
26	40	40	43	110	132	189	58	52	40	41	35	67
27	60	38	41	110	139	149	58	51	36	129	33	46
28	46	38	41	90	94	129	122	54	35	43	32	44
29	60	36	49	80	------	162	65	58	38	169	28	41
30	200	38	48	100	------	109	58	48	41	97	28	40
31	99	------	69	90	------	90	------	46	------	124	30	------
TOTAL	1,711	1,521	1,598	2,472	4,219	4,072	2,612	3,329	1,519	1,746	2,135	1,688
MEAN	55.2	50.7	51.5	79.7	151	131	87.1	107	50.6	56.3	68.9	56.3
MAX	200	164	174	335	631	751	202	533	94	169	261	376
MIN	24	36	36	45	60	65	58	46	35	32	28	25
CFSM	1.14	1.04	1.06	1.64	3.11	2.70	1.79	2.20	1.04	1.16	1.42	1.16
IN.	1.31	1.16	1.22	1.89	3.23	3.12	2.00	2.55	1.16	1.34	1.63	1.29

CAL YR 1970 TOTAL 23,177 MEAN 63.5 MAX 570 MIN 22 CFSM 1.31 IN 17.74
WTR YR 1971 TOTAL 28,622 MEAN 78.4 MAX 751 MIN 24 CFSM 1.61 IN 21.91

PEAK DISCHARGE (BASE, 1,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
2-22	1530	6.13	1,780	3-03	0700	5.59	1,540
5-12	2300	6.77	2,080				

Note: No gage-height record Oct. 1-30, Jan. 11 to Feb. 17.

02165000 Reedy River near Ware Shoals, S.C.

LOCATION.--Lat 34°26'40", long 82°10'35", Laurens County, on left bank 1.9 miles downstream from dam at Boyd's mill, 4.5 miles upstream from Walnut Creek, 5.0 miles northeast of Ware Shoals, and at mile 12.8.

DRAINAGE AREA.--228 sq mi.

PERIOD OF RECORD.--March 1939 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 489 ft (by barometer).

AVERAGE DISCHARGE.--32 years, 326 cfs (19.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,820 cfs Mar. 3 (gage height, 5.66 ft); minimum daily, 14 cfs Nov. 8.
Period of record: Maximum discharge, 10,600 cfs Mar. 7, 1963 (gage height, 14.92 ft); minimum, 2.7 cfs July 6, 1967 (gage height, 0.42 ft); minimum daily, 7.5 cfs Aug. 25, Sept. 9, 1966.

REMARKS.--Records fair. Some regulation at low and medium flow by powerplants above station. Capacity of reservoirs insufficient to affect monthly figures of runoff. Diversion into basin by city of Greenville below station near Greenville (see sta. 02162500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 892: 1939. WSP 922: Drainage area. WSP 1723: 1940, 1943, 1948-49, 1952 (M). WSP 1904: 1940, 1943, 1946, 1949, 1952.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	111	982	207	350	592	483	539	434	289	350	824	263
2	15	550	207	300	467	733	483	429	275	300	851	259
3	19	461	207	300	284	3,250	460	271	302	250	730	101
4	24	443	275	400	267	3,090	446	200	298	300	578	22
5	30	330	247	500	746	1,490	437	204	293	400	537	188
6	204	275	204	800	1,380	849	437	207	289	300	592	275
7	298	123	204	600	1,470	675	453	228	289	270	571	271
8	289	14	204	450	1,990	577	548	271	271	300	511	116
9	108	179	145	350	1,840	492	478	293	284	270	221	173
10	18	289	19	400	950	454	441	409	280	260	204	267
11	19	392	18	350	606	443	437	443	280	250	449	263
12	23	531	19	330	537	437	429	350	106	250	365	142
13	29	455	26	289	505	431	431	443	176	225	613	23
14	207	340	170	263	620	425	331	1,470	289	211	524	164
15	293	275	289	280	595	428	336	982	289	211	355	267
16	106	275	307	370	454	434	329	1,630	289	207	275	259
17	23	275	392	443	397	467	271	1,510	414	200	275	259
18	27	271	498	330	437	434	368	683	387	197	275	259
19	194	108	360	263	402	430	332	505	289	194	275	263
20	302	150	284	263	349	436	365	449	289	302	275	485
21	293	280	280	263	482	456	326	449	289	307	271	505
22	293	140	280	263	497	433	270	443	284	302	267	340
23	289	125	350	263	1,540	429	378	437	284	298	267	267
24	116	142	500	263	1,510	425	457	325	284	293	263	267
25	24	140	400	267	700	329	542	271	289	289	263	267
26	30	221	200	518	574	212	377	247	289	275	247	130
27	197	214	90	571	528	683	315	204	300	289	259	197
28	271	214	30	473	539	940	340	207	300	298	113	280
29	63	211	25	449	------	1,030	421	162	300	431	21	271
30	1,600	211	40	345	------	973	456	153	300	524	194	263
31	2,150	------	100	392	------	683	------	191	------	544	263	------
TOTAL	7,665	8,616	6,577	11,698	21,258	23,051	12,233	14,500	8,597	9,097	11,728	7,106
MEAN	247	287	212	377	759	744	408	468	287	293	378	237
MAX	2,150	982	500	800	1,990	3,250	548	1,630	414	544	851	505
MIN	15	14	18	263	267	212	270	153	106	194	21	22
CFSM	1.08	1.26	.93	1.65	3.33	3.26	1.79	2.05	1.26	1.29	1.66	1.04
IN.	1.25	1.41	1.07	1.91	3.47	3.76	2.00	2.37	1.40	1.48	1.91	1.16

CAL YR 1970 TOTAL 92,887 MEAN 254 MAX 2,150 MIN 11 CFSM 1.11 IN 15.16
WTR YR 1971 TOTAL 142,126 MEAN 389 MAX 3,250 MIN 14 CFSM 1.71 IN 23.19

PEAK DISCHARGE (BASE, 2,500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	1200	5.66	3,820				

02165200 South Rabon Creek near Gray Court, S.C.

LOCATION.--Lat 34°31'12", long 82°09'26", Laurens County, on left bank, 125 ft upstream from U.S. Highway 76, 2.5 miles upstream from North Rabon Creek and 7.0 miles southwest of Gray Court.

DRAINAGE AREA.--29.5 sq mi.

PERIOD OF RECORD.--January 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 560 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 1,190 cfs Mar. 3 (gage height, 4.19 ft); minimum daily, 10 cfs Oct. 1-19, 26.
Period of record: Maximum discharge, that of Mar. 3, 1971; minimum daily, 7.0 cfs July 9-13, 1970.

REMARKS.--Records fair. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	10	69	19	27	47	42	54	34	28	22	221	19
2	10	48	19	29	39	184	51	34	27	22	84	19
3	10	47	19	27	36	830	47	33	26	46	50	18
4	10	35	19	26	40	271	46	31	25	25	41	17
5	10	30	18	81	184	86	47	30	25	22	51	17
6	10	26	18	59	113	66	52	30	24	27	46	18
7	10	25	18	41	267	57	53	29	23	41	35	17
8	10	22	18	36	369	49	46	34	22	27	31	17
9	10	21	18	42	127	46	43	31	22	22	29	17
10	10	65	18	43	67	44	41	29	22	23	27	16
11	10	62	18	37	54	44	40	28	22	23	25	17
12	10	39	19	34	48	41	39	49	22	20	52	18
13	10	32	19	30	56	41	38	125	22	20	35	16
14	10	29	18	30	54	41	41	50	26	19	27	16
15	10	30	18	34	46	41	36	164	27	19	25	15
16	10	26	63	31	42	46	35	281	22	19	25	15
17	10	25	54	29	39	40	35	81	29	18	30	16
18	10	23	33	28	38	36	34	56	30	18	28	25
19	10	22	28	27	36	42	34	45	27	25	25	29
20	13	23	25	25	42	47	34	40	24	28	24	21
21	20	23	25	25	45	40	35	37	25	20	22	20
22	15	22	24	25	171	38	34	34	22	19	21	19
23	12	21	25	27	200	37	56	33	34	18	21	18
24	11	20	28	44	70	35	69	34	24	18	21	18
25	13	20	25	65	54	36	46	32	21	21	20	18
26	10	20	23	76	49	62	40	30	20	55	20	19
27	14	20	22	50	49	89	37	29	20	27	19	18
28	14	19	21	41	43	140	41	29	19	22	19	18
29	18	19	22	36	------	177	39	32	19	38	18	17
30	624	19	22	38	------	96	35	34	19	81	18	16
31	316	------	24	73	------	63	------	31	------	140	17	------
TOTAL	1,270	902	740	1,216	2,425	2,907	1,278	1,589	718	945	1,127	544
MEAN	41.0	30.1	23.9	39.2	86.6	93.8	42.6	51.3	23.9	30.5	36.4	18.1
MAX	624	69	63	81	369	830	69	281	34	140	221	29
MIN	10	19	18	25	36	35	34	28	19	18	17	15
CFSM	1.39	1.02	.81	1.33	2.94	3.18	1.44	1.74	.81	1.03	1.23	.61
IN.	1.60	1.14	.93	1.53	3.06	3.67	1.61	2.00	.91	1.19	1.42	.69

CAL YR 1970 TOTAL 9,664.0 MEAN 26.5 MAX 624 MIN 7.0 CFSM .90 IN 12.19
WTR YR 1971 TOTAL 15,661.0 MEAN 42.9 MAX 830 MIN 10 CFSM 1.45 IN 19.75

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-30	2315	4.02	1,120	3-03	1315	4.19	1,190
2-08	0545	2.52	547				

02166500 Lake Greenwood near Chappells, S.C.

LOCATION.--Lat 34°10'08", long 81°54'30", Newberry County, at left upstream end of dam on Saluda River, 0.7 mile upstream from Wilson Creek and 2.4 miles west of Chappells.

DRAINAGE AREA.--1,150 sq mi, approximately.

PERIOD OF RECORD.--May 1940 to current year.

GAGE.--Water-stage recorder. Datum of gage is 400.00 ft above mean sea level (levels by Dan T. Duncan Engineering Co.); gage readings have been reduced to elevations above mean sea level. Prior to June 11, 1940, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation,441.31 ft Mar. 5; minimum, 432.95 ft Jan. 22.
Period of record: Maximum elevation, 442.02 ft Mar. 5, 1952; minimum elevation since normal reservoir level was first reached, 424.42 ft Oct. 16, 1947.

REMARKS.--Lake is formed by earth dam; storage began in May 1940; dam completed in 1940. Usable capacity, about 7,640,000,000 cu ft between elevations 420.0 ft (limit of drawdown) and 440.0 ft (normal operating level) above mean sea level. Dead storage is about 3,500,000,000 cu ft. Figures given herein represent usable contents. Elevation of spillway crest is 415.0 ft and elevation of top of 1½ ft flashboards on top of spillway gates is 441.5 ft above mean sea level. Water is used for generation of power.

Capacity table (elevation, in feet, and usable contents, in billions of cubic feet)
(Prepared from capacity curve drawn by D. T. Duncan, Engineer)

431.0	3.70
433.0	4.51
436.0	5.82
439.0	7.18
442.0	8.56

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	435.30	436.61	434.42	433.02	434.49	437.60	438.20	439.76	439.53	439.07	439.50	439.24
2	435.27	436.26	434.45	432.99	434.39	437.50	438.10	439.58	439.54	439.25	439.50	438.99
3	435.28	436.31	434.44	433.12	434.01	440.59	438.23	439.66	439.52	439.39	439.34	439.00
4	435.21	436.18	434.47	433.00	433.87	441.12	438.56	439.49	439.43	439.47	439.46	439.05
5	435.20	436.21	434.50	433.50	434.31	441.31	438.48	439.50	439.51	439.66	439.60	439.15
6	435.20	436.01	434.58	433.37	435.04	441.12	438.45	439.65	439.49	439.50	439.38	439.20
7	435.24	436.11	434.44	433.60	436.39	440.83	438.38	439.69	439.40	439.32	439.35	438.85
8	435.28	436.17	434.27	433.70	437.42	440.45	438.64	439.80	439.45	439.22	439.63	438.77
9	435.34	436.03	434.19	433.68	437.72	440.03	438.74	439.88	439.40	439.27	439.45	438.70
10	435.34	436.02	434.18	433.72	437.61	439.60	438.78	439.74	439.50	439.23	439.45	438.75
11	435.30	435.92	434.14	433.56	437.35	439.15	439.00	439.70	439.51	439.29	439.38	438.61
12	435.18	435.80	434.18	433.30	437.50	438.65	439.13	439.81	439.47	439.38	439.50	438.68
13	435.28	435.72	434.12	433.30	437.43	438.95	438.98	439.70	439.58	439.35	439.40	438.71
14	435.33	435.87	433.88	433.30	437.65	439.25	439.04	439.66	439.36	439.20	439.58	438.63
15	435.42	435.92	433.70	433.30	437.68	439.08	438.90	440.48	439.22	439.23	439.69	438.30
16	435.49	435.68	433.74	433.20	437.57	438.60	438.68	441.15	439.30	439.23	439.52	438.05
17	435.49	435.31	433.87	433.60	437.46	438.13	438.84	441.16	439.52	439.23	439.45	438.10
18	435.45	434.98	433.99	433.30	437.26	437.64	439.03	440.88	439.44	439.29	439.53	438.10
19	435.41	434.77	434.02	433.10	437.31	437.48	439.00	440.48	439.54	439.36	439.30	438.25
20	435.42	434.73	434.06	433.10	437.44	437.35	438.90	440.00	439.54	439.25	439.18	438.16
21	435.30	434.80	433.81	433.01	437.81	437.51	438.89	439.54	439.30	439.36	439.19	438.06
22	435.34	434.94	433.93	433.05	437.78	437.55	438.95	439.73	439.40	439.47	439.29	438.22
23	435.49	434.62	433.69	433.12	437.87	437.58	438.94	439.56	439.45	439.51	439.22	438.08
24	435.53	434.28	433.85	433.32	438.00	437.62	439.27	439.51	439.32	439.50	439.27	438.11
25	435.51	434.14	433.90	433.65	437.76	437.75	439.45	439.48	439.18	439.60	439.10	438.20
26	435.40	434.16	433.90	433.70	437.42	437.70	439.31	439.53	439.29	439.37	439.18	438.37
27	435.37	434.26	433.77	433.50	437.09	437.71	439.48	439.52	439.35	439.36	439.10	438.18
28	435.42	434.36	433.53	433.52	437.65	437.85	439.30	439.48	439.05	439.55	439.06	438.97
29	435.30	434.48	433.23	433.70	-------	438.13	439.50	439.53	439.05	439.47	439.08	437.60
30	435.88	434.50	433.18	434.10	-------	438.02	439.57	439.59	439.02	439.52	439.08	437.40
31	436.46	-------	433.10	434.57	-------	438.03	-------	439.55	-------	439.24	439.03	-------
(†)	6.02	5.16	4.55	5.19	6.56	6.74	7.44	7.44	7.19	7.29	7.20	6.45
(‡)	+190	-331	-228	+239	+506	+67	+270	0	-96	+37	-34	-289
MAX	436.46	436.61	434.58	434.57	438.00	441.31	439.57	441.16	439.58	439.66	439.69	439.24
MIN	435.18	434.14	433.10	432.99	433.87	437.35	438.10	439.48	439.02	439.07	439.03	437.40

CAL YR 1970	‡	+1	MAX	439.73	MIN	431.65
WTR YR 1971	‡	+30	MAX	441.31	MIN	432.99

† Contents, in billions of cubic feet, at end of month.
‡ Change in contents, equivalent in cubic feet per second.

0216700 Saluda River at Chappells, S.C.

LOCATION.--Lat 34°10'40", long 81°51'40", Newberry County, on left bank at downstream side of bridge on State Highway 39 at Chappells, 6.7 miles downstream from dam at Lake Greenwood, 9.8 miles upstream from Little River, and at mile 52.3.

DRAINAGE AREA.--1,350 sq mi, approximately.

PERIOD OF RECORD.--October 1926 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at practically same site since 1905 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 362.89 ft above mean sea level. Oct. 1, 1926 to Sept. 30, 1939, nonrecording or recording gage at site 300 ft downstream at datum 363.79 ft above mean sea level. Oct. 1, 1939 to Oct. 7, 1964, recording gage at present site and at datum 363.89 ft above mean sea level.

AVERAGE DISCHARGE.--45 years, 1,919 cfs (19.30 inches per year).

EXTREMES.--Current year: Maximum discharge, 19,800 cfs Mar. 4 (gage height, 22.51 ft); minimum, 37 cfs Oct. 1-9, 13, 15, 16, 18; minimum daily, 143 cfs Oct. 16.

Period of record: Maximum discharge, 63,700 cfs Oct. 2, 1929 (gage height, 32.5 ft, present datum), from rating curve extended above 27,000 cfs on basis of velocity-area studies; minimum, 8 cfs Oct. 29, 1939; minimum daily, 8 cfs Oct. 29, 1939, caused by construction work above station.

The flood of Aug. 26, 1908 reached a stage of 36.7 ft (present site and datum), from reports of National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Greenwood (see sta. 02168500).

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1942-45.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	265	4,[illegible]	896	1,240	3,010	3,270	1,320	522	1,310	847	973	444
2	253	4,620	1,200	1,100	2,460	5,210	3,040	2,300	966	325	2,720	2,210
3	345	2,270	1,000	700	3,330	9,740	2,010	1,190	1,250	486	3,740	1,020
4	336	2,080	600	1,150	2,690	16,500	438	2,100	1,570	414	1,580	534
5	230	1,480	450	1,790	1,940	7,390	2,190	1,070	732	585	2,660	465
6	270	1,770	250	3,570	1,450	5,230	3,040	471	1,050	2,420	4,840	483
7	378	798	1,600	3,180	3,840	4,910	2,760	1,010	1,330	2,170	2,640	2,470
8	193	525	2,300	2,590	7,520	4,820	1,710	700	1,120	1,850	1,410	1,630
9	280	1,190	1,900	2,310	6,800	4,760	1,290	917	1,100	1,460	3,400	1,090
10	498	2,490	600	2,140	5,290	4,730	2,200	1,950	293	1,110	1,570	707
11	387	2,640	800	2,570	4,790	4,710	882	1,540	1,300	763	2,100	1,770
12	945	2,520	350	2,560	2,230	4,690	1,240	1,770	1,200	522	1,200	879
13	218	2,070	1,000	1,540	2,770	1,470	2,330	5,470	426	1,090	2,510	468
14	641	1,100	2,000	1,680	2,210	510	2,080	4,980	2,080	1,800	1,030	1,200
15	308	1,080	2,100	3,460	2,740	2,760	1,760	3,660	1,390	868	585	2,110
16	143	1,860	2,000	2,370	3,000	4,760	2,660	7,070	1,680	567	3,010	2,320
17	330	2,790	1,600	791	3,070	4,710	1,170	6,750	549	833	2,640	879
18	250	2,960	1,200	2,090	3,030	4,660	495	5,270	1,750	310	1,050	1,360
19	763	2,120	1,430	2,480	2,080	3,330	1,610	4,790	690	746	2,350	363
20	1,090	1,630	1,230	1,370	1,330	2,840	1,650	4,700	1,280	1,580	1,920	2,460
21	1,620	725	2,020	1,520	641	1,750	1,850	4,610	2,100	357	1,090	2,260
22	558	459	949	1,150	2,960	1,890	1,290	1,330	711	543	378	998
23	865	2,060	2,010	1,030	4,510	1,400	3,060	2,200	1,070	468	1,470	1,990
24	567	2,480	735	809	4,790	1,610	2,370	1,850	1,880	938	833	970
25	812	1,730	1,030	1,990	4,700	2,220	1,570	1,870	1,690	858	1,620	679
26	1,130	784	977	3,780	4,650	4,190	2,730	1,170	582	1,860	739	369
27	728	310	1,710	3,620	4,790	4,370	742	1,150	228	1,090	1,130	2,390
28	546	537	1,970	2,630	4,730	3,860	3,200	1,010	2,280	704	1,090	2,380
29	1,140	399	2,220	1,250	------	4,230	1,380	1,330	1,030	1,210	265	2,910
30	3,220	676	1,880	718	------	5,300	1,540	935	1,200	662	952	1,930
31	5,220	------	1,350	1,380	------	3,720	------	1,460	------	4,260	1,140	------
TOTAL	24,529	52,293	41,357	60,558	97,651	135,540	55,607	77,145	35,837	33,696	54,835	41,738
MEAN	791	1,740	1,334	1,953	3,488	4,372	1,854	2,489	1,195	1,087	1,769	1,391
MAX	5,220	4,620	2,300	3,780	7,520	16,500	3,200	7,070	2,280	4,260	4,840	2,910
MIN	143	310	250	700	641	510	438	471	228	310	265	363

CAL YR 1970 TOTAL 461,762 MEAN 1,265 MAX 5,220 MIN 143
WTR YR 1971 TOTAL 710,696 MEAN 1,947 MAX 16,500 MIN 143

02168500 Lake Murray near Columbia, S.C.

LOCATION.--Lat 34°03'07" (revised), long 81°13'15", Lexington County, in intake tower 500 ft upstream from dam on Saluda River and 10 miles upstream from confluence of Saluda and Broad Rivers at Columbia.

DRAINAGE AREA.--2,420 sq mi, approximately.

PERIOD OF RECORD.--August 1929 to current year.

GAGE.--Water-stage recorder. Datum of gage is 0.64 ft below mean sea level. Prior to Oct. 31, 1930, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation at 2400, 359.4 ft May 17; minimum elevation at 2400, 351.9 ft Jan. 8.
Period of record: Maximum gage height, 361.51 ft Apr. 10, 1936; minimum gage height since generation of power was started, 320.96 ft Dec. 23, 1941.

REMARKS.--Lake is formed by earth dam; storage began Aug. 31, 1929; dam completed in 1930. Usable capacity, 70,300,000,000 cu ft between gage heights 300.0 ft (limit of drawdown) and 360.0 ft (maximum normal lake level). Dead storage, 21,800,000,000 cu ft. Figures given herein represent usable contents. Gage height of one spillway crest (completed in 1946), 330 ft with top of gates 362 ft; gage height of other spillway crest, 340 ft with top of gates 365 ft. Water is used for generation of power.

Capacity table (gage height, in feet, and usable contents, in billions of cubic feet)
(Prepared by Lexington Water Power Co. from topographic map, contour survey, and study of change in reservoir elevation due to inflow)

350	50.77
352	54.30
356	61.91
358	66.00
360	70.30

GAGE HEIGHT, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	353.11	354.71	352.70	352.10	352.50	355.19	358.00	358.60	359.32	358.23	357.44	355.75
2	353.11	354.87	352.70	352.10	352.40	355.87	357.90	358.60	359.29	358.29	357.32	355.70
3	353.10	354.90	352.70	352.10	352.30	357.00	358.00	358.70	359.30	358.32	357.28	355.67
4	353.08	354.78	352.80	352.14	352.30	357.60	358.10	358.70	359.30	358.31	357.17	355.68
5	353.03	354.58	352.80	352.20	352.30	357.90	358.00	358.70	359.32	358.40	357.14	355.69
6	352.98	354.47	352.80	352.10	352.40	357.90	357.90	358.70	359.32	358.44	357.37	355.64
7	352.90	354.49	352.80	352.05	352.80	357.80	357.70	358.80	359.20	358.41	357.46	355.33
8	352.90	354.45	352.80	351.90	353.50	357.60	357.60	358.80	359.15	358.42	357.66	355.22
9	352.90	354.22	352.90	352.10	354.00	357.40	357.50	358.80	359.13	358.39	357.64	355.14
10	352.90	354.28	352.90	352.40	354.20	357.10	357.60	358.90	359.03	358.27	357.48	355.02
11	352.90	354.32	353.00	352.20	354.30	357.00	357.70	358.90	359.12	358.21	357.50	355.05
12	352.87	354.40	353.00	352.20	354.20	357.00	357.70	358.90	359.01	358.04	357.37	355.12
13	352.87	354.38	353.10	352.20	354.20	357.10	357.70	359.30	359.01	358.01	357.23	355.08
14	352.86	354.47	353.00	352.10	354.10	357.10	357.80	359.10	358.88	357.93	357.22	355.01
15	352.83	354.40	352.80	352.20	354.40	357.00	357.90	359.10	358.80	357.91	357.24	354.87
16	352.79	354.14	353.40	352.20	354.40	357.00	358.00	359.20	358.65	357.83	357.32	354.66
17	352.77	353.92	353.80	352.20	354.40	356.90	358.00	359.40	358.75	357.81	357.76	354.56
18	352.75	353.25	353.80	352.70	354.40	356.90	358.00	359.30	358.71	357.81	357.58	354.44
19	352.73	353.50	353.80	352.60	354.40	357.00	358.10	359.20	358.58	357.72	357.34	354.47
20	352.88	353.40	353.80	352.50	354.50	356.90	358.20	359.29	358.59	357.73	357.15	354.41
21	352.93	353.20	353.70	352.40	354.60	356.90	358.20	359.29	358.52	357.76	357.02	354.43
22	352.95	353.20	353.50	352.20	354.70	356.70	358.20	359.29	358.50	357.64	357.03	354.49
23	352.96	352.90	353.30	352.20	354.80	356.80	358.50	359.30	358.44	357.60	356.86	354.55
24	352.99	352.80	353.30	352.20	354.80	356.70	358.60	359.35	358.34	357.62	356.74	354.60
25	353.15	352.60	353.40	352.40	354.77	356.80	358.70	359.22	358.33	357.78	356.56	354.63
26	353.06	352.60	353.20	352.60	354.74	357.20	358.60	359.24	358.33	357.74	356.45	354.62
27	352.99	352.60	353.20	352.60	354.98	357.50	358.50	359.25	358.38	357.64	356.26	354.64
28	352.93	352.60	352.90	352.60	355.24	357.90	358.70	359.22	358.33	357.49	356.16	354.70
29	352.87	352.70	352.70	352.40	-------	357.90	358.60	359.31	358.25	357.42	356.16	354.73
30	353.79	352.80	352.40	352.30	------	358.00	358.60	359.32	358.25	357.39	355.97	354.70
31	354.47	------	352.20	352.50	------	358.00	------	359.36	------	357.41	355.81	------
(+)	58.92	55.77	54.67	55.22	60.41	66.00	67.28	68.91	66.53	64.78	61.53	59.36
(‡)	+941	-1,215	-411	+205	+2,145	+2,087	+494	+609	-918	-653	-1,213	-837
MAX	354.47	354.90	353.80	352.70	355.24	358.00	358.70	359.40	359.32	358.44	357.76	355.75
MIN	352.73	352.60	352.20	351.90	352.30	355.19	357.50	358.60	358.25	357.39	355.81	354.41

CAL YR 1970 ‡ +60 MAX 357.15 MIN 350.50
WTR YR 1971 ‡ -12 MAX 359.40 MIN 351.90

+ Contents, in billions of cubic feet, at end of the month.
‡ Change in contents, equivalent in cubic feet per second.

02169000 Saluda River near Columbia, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, on left bank 0.4 mile upstream from site of old Saluda mill, 1.6 miles upstream from confluence with Broad River and 3.3 miles west of State Capitol in Columbia.

DRAINAGE AREA.--2,510 sq mi, approximately.

PERIOD OF RECORD.--August 1925 to current year.

GAGE.--Water-stage recorder. Datum of gage is 149.46 ft above mean sea level. Prior to Sept. 1, 1929, at same site at datum 150.46 ft above mean sea level.

AVERAGE DISCHARGE.--46 years, 2,836 cfs (15.34 inches per year).

EXTREMES.--Current year: Maximum discharge, 20,400 cfs Aug. 17 (gage height, 8.31 ft); minimum, 110 cfs Dec. 9, 10; minimum daily, 116 cfs Nov. 29, 30, Dec. 9.

Period of record: Maximum discharge, 67,000 cfs Oct. 2, 1929 (gage height, 15.22 ft), from rating curve extended above 36,000 cfs on basis of discharge measurements made at Wise Ferry Bridge near Chapin; minimum, 11 cfs July 13, 1930; minimum daily, 12 cfs July 13, 1930, caused by construction work above station.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500) and Lake Greenwood (see sta 02166500). Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 972: Drainage area. WSP 1303: 1929-39 (monthly and yearly runoff).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	371	713	164	4,790	5,240	6,520	3,310	939	1,310	2,900	2,090	2,170
2	365	2,000	339	2,420	6,250	8,470	5,030	585	1,770	1,100	5,100	3,000
3	371	2,870	561	866	5,990	10,700	968	1,160	2,030	636	5,550	2,620
4	365	4,740	347	1,070	4,180	13,300	543	1,120	970	636	5,010	710
5	858	5,970	337	2,620	2,130	12,700	5,540	1,090	1,020	627	4,080	567
6	402	3,730	291	6,480	3,580	11,800	7,300	703	1,040	1,210	943	1,820
7	1,680	1,040	270	5,640	2,230	8,910	7,740	1,150	2,150	4,380	1,170	8,260
8	410	1,530	195	6,370	5,510	11,100	7,120	894	3,840	2,280	923	5,230
9	1,050	5,880	116	1,340	4,030	11,300	4,020	510	2,000	2,810	5,100	3,280
10	948	4,130	118	534	4,070	11,300	1,020	614	1,680	4,030	6,660	4,220
11	365	2,670	224	4,450	4,570	9,980	524	591	1,830	3,200	5,720	1,520
12	1,440	1,880	233	4,360	4,080	5,850	509	1,040	3,120	5,270	6,250	618
13	783	3,150	236	4,400	3,420	885	732	6,490	1,600	1,640	5,850	1,350
14	801	863	2,600	4,130	1,280	1,040	754	11,900	1,770	3,680	1,970	2,460
15	1,560	2,120	5,030	4,780	3,800	6,130	522	7,280	4,720	2,510	665	4,790
16	611	7,350	1,470	881	3,600	6,600	637	11,800	4,550	2,090	7,420	7,590
17	391	7,540	4,920	439	3,920	7,050	629	9,260	4,270	1,870	14,300	4,350
18	371	7,840	4,000	4,360	1,390	3,740	1,010	8,360	2,340	655	13,500	6,060
19	606	6,570	3,450	5,370	1,210	2,860	500	11,400	4,640	5,170	10,100	3,880
20	2,230	7,250	696	5,570	684	4,860	496	4,930	4,370	2,120	8,170	5,080
21	947	3,760	5,800	4,840	570	4,630	1,360	5,570	1,640	1,040	5,550	2,340
22	770	3,440	6,530	5,080	3,060	4,050	1,540	2,900	4,240	3,810	765	1,230
23	836	6,130	6,330	3,100	6,440	1,640	2,200	1,530	2,290	1,650	6,650	610
24	447	6,130	1,240	587	7,250	2,970	3,770	557	3,330	1,190	4,900	571
25	678	5,230	692	4,770	6,830	5,310	2,180	4,070	2,200	828	5,710	526
26	3,520	2,240	4,170	4,490	7,420	7,870	4,820	2,600	740	4,840	6,270	502
27	2,120	396	2,290	6,400	1,280	3,060	3,460	808	758	4,920	6,570	844
28	2,070	132	6,030	5,220	546	1,520	3,520	1,720	2,250	5,390	4,190	997
29	2,090	116	9,180	5,660	------	4,700	4,560	831	3,350	4,380	715	2,450
30	4,510	116	9,260	4,170	------	7,090	3,270	487	1,680	4,550	5,640	2,950
31	1,320	------	8,810	2,280	------	7,510	------	449	------	4,790	5,160	------
TOTAL	35,286	107,526	85,929	117,467	104,560	205,445	79,584	103,338	73,498	86,202	162,691	82,595
MEAN	1,138	3,584	2,772	3,789	3,734	6,627	2,653	3,333	2,450	2,781	5,248	2,753
MAX	4,510	7,840	9,260	6,480	7,420	13,300	7,740	11,900	4,720	5,390	14,300	8,260
MIN	365	116	116	439	546	885	496	449	740	627	665	502

CAL YR 1970 TOTAL 706,101 MEAN 1,935 MAX 9,260 MIN 116
WTR YR 1971 TOTAL 1,244,121 MEAN 3,409 MAX 14,300 MIN 116

02169500 Congaree River at Columbia, S.C.

LOCATION.--Lat 33°59'35", long 81°03'00", Lexington County, on right bank at Columbia, 1,000 ft downstream from Gervais Street Bridge, 1.4 miles downstream from confluence of Broad and Saluda Rivers, and at mile 174.8.

DRAINAGE AREA.--7,850 sq mi, approximately.

PERIOD OF RECORD.--October 1939 to current year. Gage-height records collected at site 1,000 ft upstream October 1891 to December 1933 and at present site since January 1934 are contained in reports of National Weather Service.

GAGE.--Water-stage recorders. Datum of gage is 113.02 ft above mean sea level.

AVERAGE DISCHARGE.--32 years, 8,914 cfs (15.42 inches per year).

EXTREMES.--Current year: Maximum discharge, 79,100 cfs Mar. 4 (gage height, 21.55 ft); minimum, 910 cfs Dec. 7 (gage height, 1.70 ft); minimum daily, 1,280 cfs Oct. 6.

Period of record: Maximum discharge, 142,000 cfs Apr. 10, 1964 (gage height, 28.60 ft); minimum, 588 cfs Jan. 19, 1942 (gage height, 0.94 ft); minimum daily, 662 cfs Oct. 18, 1954.

Maximum flood since at least Oct. 1891, discharge 364,000 cfs (gage height, 39.8 ft, present datum, at site 1,000 ft upstream, from records of National Weather Service.

REMARKS.--Records good. Flow regulated by Lake Murray (see sta 02168500), and Lake Greenwood (see sta 02166500) on Saluda River and to some extent, at low and medium flow, by powerplants on Broad River. City of Columbia diverts about 42 cfs above station for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,720	28,600	2,800	8,810	15,900	10,800	14,900	6,040	6,650	5,330	10,500	3,980
2	1,780	21,000	3,170	7,210	13,600	21,000	14,300	5,590	6,160	8,220	13,600	5,120
3	1,740	12,200	3,670	6,230	12,400	47,800	9,210	6,290	4,880	7,840	14,000	4,880
4	1,570	11,700	3,970	5,680	10,400	76,000	8,340	5,120	4,580	6,540	13,700	3,450
5	2,370	12,000	3,460	7,040	9,050	68,400	13,100	5,200	4,880	5,270	11,500	3,680
6	1,280	9,360	3,280	18,100	17,600	45,000	14,700	4,500	4,300	5,330	9,520	3,630
7	3,340	5,630	3,070	20,300	23,000	27,600	17,200	5,040	7,040	9,170	10,200	9,660
8	2,320	5,560	2,670	16,100	41,400	23,200	18,200	4,700	5,450	8,160	9,030	7,740
9	1,530	9,070	2,730	11,200	52,500	20,900	14,400	5,000	4,910	10,700	11,300	5,150
10	1,590	7,690	3,070	10,900	41,300	19,700	9,760	5,100	4,790	9,730	11,400	6,400
11	2,080	8,230	3,090	13,400	27,200	17,700	8,340	5,000	5,780	9,760	10,000	4,250
12	2,800	10,500	2,920	11,600	17,800	13,500	6,950	5,390	5,640	11,700	11,300	4,020
13	2,370	11,000	3,220	10,100	13,200	8,460	7,020	17,300	4,350	6,400	11,400	4,350
14	2,210	7,230	5,620	9,410	12,300	8,020	6,690	31,400	7,000	7,700	7,910	5,670
15	3,520	7,020	7,470	13,000	17,000	12,400	6,240	30,700	6,960	6,300	5,880	6,900
16	2,670	11,600	7,670	10,000	15,700	14,000	6,520	37,700	8,360	5,740	11,100	9,100
17	2,270	12,100	17,500	7,780	13,300	14,400	6,180	49,000	6,650	6,680	22,500	5,980
18	2,210	11,400	17,400	9,780	10,200	11,200	6,270	40,600	10,000	4,400	24,800	8,470
19	2,130	9,790	11,700	9,920	9,180	10,300	5,490	28,000	11,900	7,600	19,600	10,400
20	4,400	10,600	6,730	9,930	8,350	11,700	5,400	18,300	8,120	5,360	13,100	19,400
21	4,560	7,600	9,990	9,400	7,900	11,800	6,620	12,700	8,290	4,700	10,600	13,200
22	2,140	7,410	10,300	9,380	11,600	10,800	6,860	9,520	8,470	7,980	6,260	9,260
23	4,230	9,020	10,300	7,670	18,800	8,230	8,150	7,110	8,300	4,910	9,520	7,360
24	3,910	9,240	5,300	4,950	29,500	8,760	13,900	6,160	9,520	4,250	7,600	8,970
25	4,450	8,070	6,050	10,000	27,700	10,900	11,300	10,100	6,540	3,880	9,620	6,490
26	6,550	5,510	10,300	20,300	20,800	16,100	13,600	5,920	4,670	9,560	9,310	4,200
27	4,210	3,990	7,620	19,300	12,000	14,400	9,380	6,120	4,320	9,700	10,500	4,490
28	4,070	3,410	10,000	14,000	10,100	15,000	9,750	6,020	7,210	9,030	7,600	4,990
29	3,830	3,400	12,700	12,000	------	20,000	9,990	5,510	6,820	9,240	4,220	5,850
30	8,720	3,410	13,000	10,700	------	25,600	8,940	4,940	4,880	9,340	7,140	6,000
31	21,800	------	12,500	12,700	------	22,900	------	5,030	------	10,800	7,600	------
TOTAL	114,370	283,340	223,270	346,890	519,780	646,770	297,700	395,100	197,420	231,260	342,310	203,240
MEAN	3,689	9,445	7,202	11,190	18,560	20,860	9,923	12,750	6,581	7,460	11,040	6,775
MAX	21,800	28,600	17,500	20,300	52,500	76,000	18,200	49,000	11,900	11,700	24,800	19,400
MIN	1,280	3,400	2,670	4,950	7,900	8,020	5,400	4,500	4,300	3,880	4,220	3,630

CAL YR 1970 TOTAL 2,513,140 MEAN 6,885 MAX 38,800 MIN 1,280
WTR YR 1971 TOTAL 3,801,450 MEAN 10,415 MAX 76,000 MIN 1,280

02169550 Congaree Creek at Cayce, S.C.

LOCATION.--Lat 33°56'.", long 81°04'40", Lexington County, on left bank 20 ft downstream from bridge on U.S. Highway 21 at Cayce, 2 miles upstream from Sixmile Creek, and at mile 5.4.

DRAINAGE AREA.--136 sq mi.

PERIOD OF RECORD.--October 1959 to current year. Occasional low-flow measurements, water years 1925, 1944, 1949-59.

GAGE.--Water-stage recorder. Datum of gage is 128.98 ft above mean sea level (South Carolina Highway Department bench mark). Prior to Jan. 20, 1960, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--12 years, 228 cfs (22.77 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,140 cfs Mar. 4 (gage height, 5.09 ft); minimum daily, 130 cfs Sept. 3-9.
Period of record: Maximum discharge, 1,840 cfs Oct. 1, 1959 (gage height, 5.92 ft, from floodmarks); minimum daily, 111 cfs June 20, 1970.
A discharge of 73.2 cfs was measured on May 10, 1955.

REMARKS.--Records good except for period of no gage-height record which are poor. About 1 cfs diverted by city of Cayce for municipal supply.

REVISIONS (WATER YEARS).--WSP 1703, 1723: 1960(M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	149	419	161	248	220	258	266	250	162	162	379	140
2	142	345	161	244	202	335	244	212	153	217	354	140
3	139	271	161	207	189	704	233	194	150	262	268	130
4	136	211	161	187	185	1,030	228	184	150	238	216	130
5	134	180	159	193	192	656	223	176	149	197	191	130
6	133	167	160	200	202	418	252	171	147	289	196	130
7	133	164	157	185	204	327	287	178	154	354	198	130
8	134	168	157	180	314	293	283	167	154	288	165	130
9	138	163	157	226	435	269	230	175	150	229	200	130
10	146	176	157	284	379	250	206	179	148	191	269	160
11	146	242	159	280	299	242	206	172	150	178	244	180
12	142	307	160	231	248	236	205	172	147	160	302	190
13	141	269	161	194	218	230	202	230	145	162	286	200
14	140	211	160	186	213	227	194	298	145	166	212	170
15	142	180	159	201	200	229	188	269	145	167	182	160
16	146	179	218	242	194	243	183	252	144	185	347	140
17	144	175	459	234	192	250	176	284	154	183	400	183
18	141	172	508	197	188	229	173	255	187	165	600	192
19	138	168	391	183	185	219	170	211	248	157	450	372
20	153	168	262	176	186	236	172	170	264	197	300	466
21	228	168	226	173	198	240	171	160	232	247	200	361
22	314	165	221	174	217	223	174	156	189	237	180	284
23	265	164	212	178	371	243	191	155	256	195	180	260
24	186	164	200	189	428	260	330	155	313	170	160	241
25	212	160	198	240	345	245	423	153	223	185	160	222
26	325	160	187	374	269	438	323	152	167	285	160	210
27	316	160	179	425	248	588	247	149	219	364	150	201
28	231	162	175	338	265	446	233	150	188	280	150	193
29	177	166	180	255	------	341	304	166	189	282	140	189
30	209	163	200	208	------	310	302	184	169	579	140	184
31	412	------	216	207	------	296	------	176	------	506	140	------
TOTAL	5,692	5,967	6,444	7,041	6,986	10,509	7,019	5,955	5,391	7,475	7,537	5,948
MEAN	184	199	208	227	250	339	234	192	180	241	243	198
MAX	412	419	508	425	435	1,030	423	298	313	579	600	466
MIN	133	160	157	173	185	219	170	149	144	157	140	130
CFSM	1.35	1.46	1.53	1.67	1.84	2.49	1.72	1.41	1.32	1.77	1.79	1.46
IN.	1.56	1.63	1.76	1.93	1.91	2.87	1.92	1.63	1.47	2.04	2.06	1.63

CAL YR 1970 TOTAL 66,115 MEAN 181 MAX 677 MIN 111 CFSM 1.33 IN 18.08
WTR YR 1971 TOTAL 81,964 MEAN 225 MAX 1,030 MIN 130 CFSM 1.65 IN 22.42

PEAK DISCHARGE (BASE, 600 CFS)

Note.--No gage-height record Aug. 17 to Sept. 17.

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-04	0700	5.09	1,140	7-30	1700	4.37	694
3-27	0500	4.26	635	8-18	unknown	unknown	650

02169570 Gills Creek at Columbia, S. C.

LOCATION.--Lat 33°59'22", long 80°58'28", Richland County, at upstream side of bridge on Devine Street at Columbia, 0.75 mile below Lake Katherine, and at mile 7.7.

DRAINAGE AREA.--59.6 sq mi.

PERIOD OF RECORD.--Water years 1964-66 (annual maximum), September 1966 to current year.

GAGE.--Water-stage recorder. Datum of gage is 137.38 ft above mean sea level. Apr. 1, 1964 to Aug. 6, 1966, crest-stage gage at same site and datum.

AVERAGE DISCHARGE.--5 years, 72.8 cfs (16.59 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,570 cfs Mar. 3 (gage height, 7.20 ft); minimum daily, 20 cfs Oct. 14.
Period of record: Maximum discharge, that of Mar. 3, 1971; minimum daily, 11 cfs Apr. 4, 1967, Oct. 5, 6, 1969.
Flood of Oct. 1, 1964 reached a stage of 6.72 ft (discharge, 2,950 cfs).

REMARKS.--Records good. Some possible interruption of natural flow by private lakes upstream.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	56	170	40	93	168	187	128	116	72	69	217	43
2	45	119	41	85	200	364	121	99	64	170	148	42
3	37	92	41	76	109	982	131	91	58	588	106	42
4	36	78	41	68	88	910	84	85	52	224	85	39
5	48	72	40	70	103	436	141	81	48	148	80	39
6	74	63	42	70	99	289	199	78	46	185	107	39
7	62	51	42	64	163	235	169	76	46	162	96	48
8	45	41	40	69	282	202	154	77	45	141	79	55
9	37	37	38	113	296	181	147	81	43	260	72	52
10	33	64	37	113	221	164	156	80	43	298	67	54
11	27	87	38	103	138	160	138	77	43	143	61	51
12	24	88	38	91	109	153	113	77	43	100	61	61
13	21	74	39	80	103	145	99	184	45	86	61	76
14	20	62	40	72	98	139	97	117	46	82	56	67
15	26	57	39	109	90	147	98	106	51	76	57	55
16	28	51	255	116	85	146	93	122	48	65	184	49
17	28	46	336	105	80	135	81	115	54	55	458	45
18	33	44	196	93	52	127	72	102	68	49	458	57
19	32	42	132	80	26	127	66	86	86	55	272	172
20	88	43	106	72	30	124	62	75	94	62	150	175
21	133	45	91	65	29	119	60	77	75	94	104	119
22	104	43	78	63	136	116	58	69	74	147	84	95
23	77	43	72	65	430	120	157	62	92	117	72	74
24	58	42	69	76	336	114	239	58	100	100	66	64
25	188	40	66	115	218	143	176	54	90	95	60	55
26	159	38	62	277	169	352	137	52	67	172	55	51
27	104	38	58	194	168	313	115	49	104	193	57	49
28	77	38	56	134	152	264	257	51	102	173	54	84
29	62	38	60	158	------	247	211	62	89	284	51	80
30	150	40	68	143	------	233	151	70	75	193	48	57
31	286	------	90	121	------	205	------	77	------	193	45	------
TOTAL	2,198	1,786	2,391	3,153	4,178	7,579	3,910	2,606	1,963	4,779	3,571	1,989
MEAN	70.9	59.5	77.1	102	149	244	130	84.1	65.4	154	115	66.3
MAX	286	170	336	277	430	982	257	184	104	588	458	175
MIN	20	37	37	63	26	114	58	49	43	49	45	39
CFSM	1.19	1.00	1.29	1.71	2.50	4.09	2.18	1.41	1.10	2.58	1.93	1.11
IN.	1.37	1.11	1.49	1.97	2.61	4.73	2.44	1.63	1.23	2.98	2.23	1.24

CAL YR 1970 TOTAL 21,499 MEAN 58.9 MAX 545 MIN 13 CFSM .99 IN 13.42
WTR YR 1971 TOTAL 40,103 MEAN 110 MAX 982 MIN 20 CFSM 1.85 IN 25.03

PEAK DISCHARGE (BASE, 500 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	1900	7.20	1,570				
7-03	0300	5.96	814				
8-17	1500	5.07	568				

02169615 Mill Creek near Hopkins, S.C.

LOCATION.--Lat 33°56'36", long 80°54'45", Richland County, on right downstream wingwall of culvert 200 ft downstream from spillway of Caughmans Pond, 0.1 mile upstream from Seaboard Coast Line Railroad bridge, 0.3 mile downstream from U.S. Highway 76, and 3.3 miles northwest of Hopkins.

DRAINAGE AREA.--12.7 sq mi.

PERIOD OF RECORD.--December 1967 to current year.

GAGE.--Water-stage recorder. Altitude of the gage is 185 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 200 cfs Mar. 3 (gage height, 5.31 ft); minimum daily, 5.4 cfs Oct. 5-8, June 7, 8.
Period of record: Maximum discharge, 236 cfs May 23, 1969; minimum daily, 0.15 cfs Mar. 14, 1970.

REMARKS.--Records good, except for periods of no gage-height record which are poor. Flow at times is regulated by the spillway gates at Caughmans Pond.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.2	11	12	13	18	26	24	16	10	7.4	34	9.5
2	6.0	10	12	13	15	33	20	15	8.4	9.0	19	9.4
3	5.6	10	12	13	14	113	19	14	7.4	11	13	9.1
4	5.6	9.4	12	13	15	110	17	13	6.4	12	12	9.0
5	5.4	8.9	12	14	15	52	16	12	6.0	9.8	12	9.2
6	5.4	8.6	13	16	22	25	25	11	5.8	8.2	12	8.9
7	5.4	8.4	18	18	30	17	25	11	5.4	8.2	11	8.7
8	5.4	8.4	17	23	26	13	24	10	5.4	8.4	11	8.5
9	5.6	8.4	16	22	22	14	21	10	6.0	8.9	10	8.4
10	5.8	11	17	21	20	13	20	9.6	6.6	9.0	9.6	10
11	6.0	14	21	18	17	16	18	9.4	7.2	8.7	9.2	12
12	6.2	13	22	14	16	14	17	9.6	6.6	8.1	9.0	11
13	6.4	12	21	13	15	17	16	27	6.2	7.8	8.5	10
14	7.2	12	19	13	15	20	16	25	5.8	7.6	8.1	9.5
15	7.0	12	17	14	15	20	15	32	6.0	7.0	8.4	9.0
16	6.9	11	19	15	14	19	15	25	8.0	6.8	14	8.8
17	6.4	11	24	15	13	19	14	21	13	6.8	47	8.5
18	6.1	11	25	15	19	18	14	18	21	6.6	41	10
19	6.0	11	24	15	22	18	14	14	25	7.0	24	28
20	8.9	11	23	14	25	18	13	11	20	8.9	18	17
21	12	11	21	13	28	17	13	10	15	11	15	17
22	11	11	20	14	27	17	13	9.0	11	22	13	14
23	9.5	11	18	14	38	17	15	8.0	13	15	12	12
24	8.5	11	16	14	37	17	85	7.6	13	12	11	11
25	13	11	15	15	31	18	74	7.4	13	14	9.9	11
26	13	11	14	18	28	30	64	7.2	11	41	9.9	10
27	11	11	12	21	26	50	55	7.0	9.0	39	10	10
28	10	11	12	23	26	40	78	8.0	8.0	25	10	9.6
29	9.2	12	11	21	------	36	76	11	7.2	52	9.7	9.4
30	9.9	12	11	20	------	30	65	12	7.2	36	9.4	9.2
31	11	------	12	19	------	28	------	11	------	29	9.5	------
TOTAL	241.6	324.1	518	504	609	895	901	411.8	293.6	463.2	450.2	327.7
MEAN	7.79	10.8	16.7	16.3	21.8	28.9	30.0	13.3	9.79	14.9	14.5	10.9
MAX	13	14	25	23	38	113	85	32	25	52	47	28
MIN	5.4	8.4	11	13	13	13	13	7.0	5.4	6.6	8.1	8.4
CFSM	.61	.85	1.32	1.28	1.72	2.28	2.36	1.05	.77	1.17	1.14	.86
IN.	.71	.95	1.52	1.48	1.78	2.62	2.64	1.21	.86	1.36	1.32	.96

CAL YR 1970 TOTAL 3,750.79 MEAN 10.3 MAX 34 MIN .15 CFSM .81 IN 10.99
WTR YR 1971 TOTAL 5,939.20 MEAN 16.3 MAX 113 MIN 5.4 CFSM 1.28 IN 17.40

NOTE.--No gage-height record Mar. 14 to Apr. 23; May 1 to July 9.

02169630 Big Beaver Creek near St. Matthews, S.C.

LOCATION.--Lat 33°44'12", long 80°57'30", Calhoun County, on right downstream wingwall of bridge on U.S. Highway 21, 0.1 mile downstream from Rock Branch, 11.6 miles northwest of St. Matthews, and at mile 8.2.

DRAINAGE AREA.--10.0 sq mi.

PERIOD OF RECORD.--July 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 175 ft (from topographic map).

AVERAGE DISCHARGE.--5 years (1967-71), 12.4 cfs (16.83 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,360 cfs July 29 (gage height, 6.66 ft); minimum daily, 5.2 cfs Oct. 5, 6.
Period of record: Maximum discharge, that of July 29, 1971; minimum daily, 4.7 cfs July 3, 12, Aug. 4, 1970,

REMARKS.--Records good. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6.1	11	9.8	16	15	26	27	19	12	7.7	70	16
2	5.9	11	9.6	13	13	89	28	18	12	13	53	16
3	5.7	9.8	9.6	12	12	222	27	17	11	18	42	15
4	5.4	8.8	9.6	12	13	96	25	16	10	10	35	15
5	5.2	8.6	9.2	14	15	63	27	16	9.6	9.4	31	15
6	5.2	8.6	9.0	12	14	50	35	15	8.8	9.6	30	14
7	5.4	8.8	9.0	11	21	48	27	15	8.2	8.8	28	13
8	6.2	8.6	9.0	16	26	38	26	15	8.0	9.0	29	14
9	6.8	8.6	9.2	36	18	34	24	15	8.2	8.0	31	18
10	6.9	28	9.4	20	15	32	23	14	8.6	7.5	25	26
11	6.6	23	9.4	15	14	30	21	14	8.6	6.6	23	25
12	6.4	12	9.4	14	14	23	21	14	8.1	31	24	19
13	6.4	11	9.2	13	15	26	20	54	7.7	22	21	15
14	6.6	11	9.0	13	13	25	19	20	8.4	11	19	13
15	7.3	11	8.8	24	13	26	19	26	8.2	16	20	13
16	7.5	10	56	17	12	28	19	36	12	16	33	13
17	6.6	10	38	14	12	23	20	20	22	10	73	13
18	6.6	10	16	13	12	22	20	16	17	8.2	38	16
19	6.6	10	14	12	11	27	17	14	14	8.6	26	21
20	24	10	16	12	12	24	19	14	12	14	22	14
21	17	10	17	12	12	21	20	14	14	17	23	13
22	9.6	9.8	13	12	20	21	19	13	20	13	20	13
23	7.9	10	12	12	26	27	31	13	24	10	20	13
24	7.3	9.4	13	15	14	22	44	13	12	15	19	13
25	26	9.4	12	20	13	29	22	12	9.8	21	18	13
26	14	9.6	11	33	15	84	19	12	8.8	36	21	12
27	9.8	9.8	11	17	19	42	16	11	8.0	19	26	11
28	8.8	9.8	11	14	14	34	31	12	9.0	23	19	11
29	8.6	9.8	14	14	------	38	22	27	8.0	285	16	11
30	9.4	9.8	15	14	------	34	20	17	7.3	93	16	11
31	11	------	22	20	------	28	------	14	------	96	15	------
TOTAL	272.8	327.2	430.2	492	423	1.339	708	546	340.2	872.4	883	445
MEAN	8.80	10.9	13.9	15.9	15.1	43.2	23.6	17.6	11.3	28.1	28.5	14.8
MAX	26	28	56	36	26	222	44	54	24	285	73	26
MIN	5.2	8.6	8.8	11	11	21	16	11	7.3	6.6	15	11
CFSM	.88	1.09	1.39	1.59	1.51	4.32	2.36	1.76	1.13	2.81	2.85	1.48
IN.	1.01	1.22	1.60	1.83	1.57	4.98	2.63	2.03	1.27	3.25	3.28	1.66

CAL YR 1970 TOTAL 3.722.1 MEAN 10.2 MAX 82 MIN 4.7 CFSM 1.02 IN 13.85
WTR YR 1971 TOTAL 7.078.8 MEAN 19.4 MAX 285 MIN 5.2 CFSM 1.94 IN 26.33

PEAK DISCHARGE (BASE, 100 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
3-03	1945	5.37	515	7-29	0215	6.66	1,360
3-26	0715	4.08	118				

02170500 Lakes Marion-Moultrie diversion canal near Pineville, S.C.

LOCATION.--Lat 33°23'15", long 80°08'25", Berkeley County, on right bank 0.6 mile upstream from bridge on State Highway 45 and 7.0 miles southwest of Pineville.

PERIOD OF RECORD.--October 1943 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 60.0 ft above mean sea level (levels by South Carolina Public Service Authority). Auxiliary water-stage recorder 3.9 miles downstream from base gage.

AVERAGE DISCHARGE.--28 years, 14,410 cfs.

EXTREMES.--Period of record: Maximum daily discharge, 40,200 cfs Mar. 10, 1952; minimum daily (normal operation), 61 cfs Sept. 24, 25, 1956; maximum daily reverse flow, 12,100 cfs Feb. 9, 1947 (caused by unusual operation of gates).

REMARKS.--Records good. Canal diverts water from Lake Marion to Lake Moultrie for generation of power and for navigation. Water is discharged from powerplant and navigation lock into West Branch Cooper River.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,720	11,600	4,050	19,800	23,900	29,700	26,900	19,300	13,700	16,600	17,100	15,000
2	4,790	12,500	10,400	19,800	24,000	29,700	28,200	19,300	11,700	17,100	16,900	14,200
3	3,860	17,600	10,900	20,200	24,500	29,800	29,100	19,400	12,700	17,200	17,700	15,500
4	2,500	22,100	10,900	17,300	24,900	28,200	29,000	17,000	11,700	18,000	18,100	15,200
5	3,830	22,900	6,630	15,900	25,200	22,800	28,700	13,700	12,800	17,400	18,800	14,400
6	5,020	22,000	7,560	17,200	25,600	24,600	28,600	13,000	13,700	17,000	19,000	11,800
7	3,800	21,400	4,280	17,600	25,600	29,000	27,800	11,700	14,100	17,200	19,300	9,370
8	3,810	20,500	8,670	17,700	26,600	29,700	27,000	12,600	14,800	16,200	19,500	11,100
9	3,830	18,700	7,690	19,500	27,900	29,800	27,000	13,700	13,100	15,900	18,100	13,800
10	3,840	18,400	6,770	18,400	28,000	30,800	27,600	11,600	11,600	16,200	17,400	14,700
11	2,490	17,900	5,940	19,700	29,000	31,300	27,700	6,640	9,770	16,400	17,700	15,100
12	2,490	16,400	5,100	20,400	31,100	30,500	27,200	6,640	12,800	15,800	15,800	15,900
13	2,500	15,900	4,270	20,200	32,600	30,500	26,100	11,700	13,700	13,700	16,200	15,400
14	4,760	15,400	3,060	21,200	32,000	30,600	24,700	15,700	13,600	13,700	15,800	13,700
15	4,770	16,000	7,670	21,500	32,500	29,500	22,500	16,000	12,700	14,200	7,540	8,560
16	3,440	12,600	13,100	22,500	33,100	29,200	21,900	19,900	13,500	15,500	13,300	14,700
17	2,520	14,300	14,900	20,700	32,400	28,800	21,800	21,300	15,000	14,200	19,200	15,400
18	2,520	15,700	14,500	19,600	31,800	26,900	20,600	23,200	16,400	13,800	20,600	15,700
19	9,370	16,700	14,400	21,900	31,200	26,700	19,800	25,200	9,450	14,000	21,500	13,300
20	4,750	17,100	13,800	21,300	30,600	28,500	18,300	32,100	12,800	12,700	22,400	16,200
21	6,710	17,300	12,700	20,200	29,500	25,000	15,500	30,500	13,400	9,620	23,400	16,700
22	10,500	16,100	12,400	20,600	28,000	25,400	14,900	30,900	15,700	4,970	24,500	16,700
23	9,340	15,600	11,200	20,100	28,200	25,500	12,300	29,800	17,100	10,500	25,000	17,100
24	5,690	16,800	11,400	18,500	26,600	24,800	15,300	28,600	17,100	11,700	24,600	17,700
25	9,400	16,200	11,400	17,100	26,500	24,100	15,300	27,400	18,600	10,500	23,900	17,400
26	5,760	15,700	10,500	21,700	26,800	26,800	15,400	26,600	19,200	3,580	22,300	17,300
27	5,750	11,900	6,690	22,200	28,300	25,400	15,700	26,900	16,800	8,670	23,500	16,900
28	6,700	11,900	10,500	21,400	29,200	25,100	17,400	22,900	14,200	11,600	22,400	16,100
29	5,730	6,540	15,300	22,800	------	25,600	18,900	20,950	16,200	9,780	20,600	15,200
30	7,630	4,060	16,600	23,300	------	26,500	18,900	19,400	15,900	15,000	18,100	15,300
31	12,400	------	18,700	23,800	------	26,800	------	16,900	------	16,500	16,900	------
TOTAL	167,220	477,800	311,920	624,100	795,600	857,600	670,100	608,530	423,820	425,220	597,140	445,430
MEAN	5,394	15,930	10,060	20,130	28,410	27,660	22,340	19,630	14,130	13,720	19,260	14,850
MAX	12,400	22,900	18,700	23,800	33,100	31,300	29,100	32,100	19,200	18,000	25,000	17,700
MIN	2,490	4,060	3,060	15,900	23,900	22,800	12,300	6,640	9,450	3,580	7,540	8,560

CAL YR 1970 TOTAL 4,249,641 MEAN 11,640 MAX 23,800 MIN 963
WTR YR 1971 TOTAL 6,401,730 MEAN 17,540 MAX 33,100 MIN 2,490

02171000 Lake Marion near Pineville, S.C.

LOCATION.--Lat 33°27'00", long 80°09'50", Berkeley County, at right upstream end of spillway, 2.8 miles upstream from old Santee Canal, 5.4 miles upstream from Dead River, and 8 miles west of Pineville.

DRAINAGE AREA.--14,700 sq mi, approximately.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Santee Reservoir near Pineville.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Harza Engineering Co.). Prior to May 6, 1942, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 77.03 ft Mar. 3; minimum, 73.32 ft Dec. 16.
Period of record: Maximum elevation, 77.35 ft Feb. 28, 1964 (caused by high wind); minimum, 61.36 ft Oct. 17, 1951.

REMARKS.--Lake is formed by earth dam. Storage began in November 1941; dam completed in 1941. Usable capacity, 47,930,000,000 cu ft between elevations 60.0 ft (limit of drawdown) and 76.8 ft (maximum normal lake elevation). Dead storage, about 15,250,000,000 cu ft. Figures given herein represent usable contents. Elevation of spillway crest, 63.0 ft; top of spillway gates, 76.8 ft. Some water used for generation of power. Major portion of water is diverted from Lake Marion through canal to Lake Moultrie (see preceding page) for generation of power and for navigation.

Capacity table (elevation, in feet, and usable contents, in billions of cubic feet)
(Prepared from volume curve drawn by Harza Engineering Co.)

72.0	27.75
74.0	35.41
76.0	44.13
77.0	48.88

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	75.14	75.24	74.13	75.10	75.40	76.51	75.88	74.57	75.81	75.93	75.95	75.23
2	75.09	75.39	74.01	75.08	75.42	76.58	75.90	74.49	75.81	76.07	75.97	75.12
3	75.06	75.53	73.90	74.99	75.42	75.88	76.00	74.30	75.82	76.05	75.98	74.98
4	74.98	75.61	73.80	74.93	75.36	75.95	76.11	74.08	75.82	76.10	75.98	74.89
5	74.93	75.52	73.73	74.88	75.38	75.60	76.15	73.97	75.81	76.10	76.04	74.79
6	74.83	75.50	73.63	74.76	75.32	75.87	76.13	73.91	75.73	76.11	76.06	74.66
7	74.82	75.51	73.56	74.70	75.35	76.19	75.90	73.90	75.63	75.98	76.04	74.54
8	74.80	75.41	73.49	74.81	75.61	76.27	75.87	73.98	75.60	75.90	76.03	74.49
9	74.91	75.22	73.46	74.94	75.61	76.43	75.86	73.82	75.68	75.82	75.95	74.46
10	74.93	75.18	73.46	75.13	75.86	76.60	75.96	73.76	75.66	75.79	75.86	74.43
11	74.94	75.03	73.48	75.27	75.91	76.56	75.83	73.74	75.78	75.77	75.84	74.36
12	74.94	74.98	73.52	75.38	76.20	76.61	75.73	73.80	75.73	75.77	75.79	74.30
13	74.98	74.89	73.54	75.47	76.42	76.70	75.51	73.87	75.74	75.85	75.76	74.13
14	74.99	74.87	73.52	75.50	76.47	76.68	75.36	73.82	75.60	75.85	75.74	73.97
15	75.05	74.85	73.38	75.62	76.67	76.60	75.05	73.96	75.55	75.82	75.70	73.87
16	75.09	74.73	73.66	75.58	76.73	76.54	74.80	74.01	75.56	75.78	75.71	73.80
17	75.11	74.66	73.66	75.50	76.77	76.30	74.73	74.20	75.66	75.73	76.06	73.75
18	75.13	74.60	73.71	75.51	76.78	76.30	74.50	74.52	75.71	75.67	76.02	73.73
19	74.95	74.33	73.83	75.58	76.74	76.33	74.38	74.64	75.80	75.50	76.07	73.78
20	75.08	74.33	74.08	75.36	76.63	76.08	74.34	74.90	75.97	75.65	76.17	73.80
21	75.10	74.50	74.36	75.26	76.50	75.91	74.19	75.03	77.00	75.66	76.23	73.75
22	75.08	74.54	74.61	75.23	76.22	75.88	74.14	75.18	76.01	75.71	76.30	73.78
23	74.98	74.60	74.64	75.20	76.18	75.84	74.30	75.28	75.90	75.76	76.30	73.84
24	74.94	74.27	74.79	75.28	76.00	75.82	74.30	75.30	75.95	75.76	76.20	73.90
25	75.10	74.18	75.02	75.39	75.97	75.60	74.40	75.30	75.93	75.80	76.13	73.84
26	75.08	74.15	75.03	75.54	76.07	75.66	74.48	75.34	75.86	75.73	76.05	73.84
27	75.05	74.21	75.14	75.27	76.25	75.37	74.52	75.22	75.83	75.72	75.92	73.71
28	75.05	74.18	75.13	75.27	76.26	75.30	74.75	75.10	75.83	75.74	75.77	73.56
29	75.07	74.18	75.18	75.28	-------	75.07	74.90	75.10	75.82	75.77	75.60	73.44
30	75.10	74.27	75.18	75.41	-------	75.71	74.88	75.33	75.83	75.80	75.47	73.36
31	75.14	-------	75.21	75.49	-------	75.74	-------	75.40	-------	75.80	75.34	-------
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

† Contents, in billions of cubic feet, at end of month.
‡ Change in contents, equivalent in cubic feet per second.

02171500 Santee River near Pineville, S.C.
(International Hydrological Decade Station)

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, on right bank 2.4 miles downstream from Lake Marion Dam, 3.0 miles upstream from Dead River, 6.7 miles west of Pineville, and at mile 85.0.

DRAINAGE AREA.--14,700 sq mi, approximately.

PERIOD OF RECORD.--April 1942 to current year.

GAGE.--Water-stage recorder. Datum of gage is 23.00 ft above mean sea level (levels by South Carolina Public Service Authority). Prior to Feb. 25, 1943, nonrecording gage at site 2.2 miles upstream or temporary water-stage recorder operated by Corps of Engineers, at site 200 ft upstream, at different datum.

AVERAGE DISCHARGE.--29 years, 2,162 cfs (2.00 inches per year).

EXTREMES.--Current year: Maximum discharge, 53,600 cfs Mar. 8 (gage height, 25.51 ft from peak indicator), from rating curve extended above 13,000 cfs as described below; minimum daily, 423 cfs Feb. 27.
Period of record: Maximum discharge, 155,000 cfs Sept. 23, 1945 (gage height, 31.1 ft, from floodmarks), from rating curve extended above 13,000 cfs by computation of flow over spillway at Lake Marion; minimum daily, 9 cfs Feb. 23, 1947 (caused by repair work at spillway).

REMARKS.--Records good, except for periods of no gage-height record which are poor. Flow completely regulated by Lake Marion (see sta 02171000). Water is diverted above station from Lake Marion through canal (see sta 02170500) into Lake Moultrie (see sta 02172000) for generation of power and for navigation, then discharged into Cooper River basin. Seepage from north dike of Lake Marion Dam bypasses station via Little River. Results of discharge measurements, in cubic feet per second, of Little River just below dam, made during water year 1971 are given herewith:

Jan. 13 .... 18.8
Apr. 15 .... 33.0

Records of chemical analyses are published in Part 2 of this report.

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	520	520	503	988	601	621	522	506	497	544	630	557
2	520	520	525	537	531	672	611	506	481	557	668	557
3	520	515	525	516	522	5,480	682	534	481	569	579	553
4	525	800	525	475	519	29,000	522	503	478	557	585	553
5	520	1,300	525	512	512	35,000	520	491	484	553	563	550
6	520	800	520	519	509	39,000	725	491	475	563	544	547
7	525	600	531	520	516	44,000	1,370	[illegible]	500	560	537	547
8	525	550	531	534	816	41,000	637	488	553	550	537	550
9	522	510	676	547	2,130	27,000	563	494	537	560	534	547
10	522	520	560	537	1,140	16,000	585	494	537	589	531	553
11	519	520	519	520	1,270	15,000	560	494	537	569	531	544
12	519	520	512	537	7,000	11,000	557	494	534	557	563	541
13	519	520	516	537	21,900	5,200	560	500	557	544	557	544
14	519	520	522	540	15,900	4,100	566	500	550	582	553	537
15	519	520	520	540	4,180	2,000	544	500	525	617	544	525
16	519	520	550	550	1,600	1,600	531	503	534	646	567	522
17	520	515	541	560	1,480	1,000	525	491	550	585	614	[illegible]
18	520	531	525	560	2,790	700	537	486	[illegible]	531	[illegible]	[illegible]
19	516	525	522	550	1,100	600	541	481	544	[illegible]	563	[illegible]
20	520	520	519	540	1,190	[illegible]	537	488	534	611	[illegible]	563
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	-------	[illegible]	[illegible]	-------	[illegible]	-------	[illegible]	-------	[illegible]	[illegible]	-------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

NOTE.--No gage-height record [illegible]

02171650 Santee River below St. Stephens, S.C.

LOCATION.--Lat 33°24'05", long 79°51'20", Berkeley County, on right bank, 600 ft downstream from Mattassee Lake, on Tract 13P of Francis Marion National Forest, 3.9 miles east of St. Stephens, and at mile 51.8.

DRAINAGE AREA.--14,900 sq mi, approximately.

PERIOD OF RECORD.--October 1970 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 66,200 cfs Mar. 10 (gage height, 25.77 ft); minimum daily, 519 cfs Oct. 16.

REMARKS.--Records fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	568	560	864	1,050	,080	1,360	1,110	787	1,040	670	800	1,390
2	561	580	864	1,110	,040	1,580	1,020	751	957	670	900	1,390
3	554	700	864	969	994	1,810	1,010	718	926	680	1,200	1,340
4	561	1,200	870	944	975	6,330	995	707	926	680	1,500	1,140
5	554	1,600	870	920	963	15,100	892	675	926	690	1,540	1,070
6	547	1,710	870	920	975	20,000	950	668	926	700	1,250	1,060
7	554	1,170	870	920	987	35,000	1,270	654	926	800	1,180	1,130
8	568	957	870	920	,040	52,000	1,740	637	938	1,100	1,150	1,130
9	575	914	870	957	,390	59,000	1,250	630	963	1,000	1,120	1,090
10	547	926	944	963	,140	63,000	998	608	963	900	1,090	1,090
11	547	914	914	975	,770	57,000	913	603	963	800	1,070	1,130
12	547	901	883	981	,980	47,000	847	938	957	750	1,060	1,200
13	540	907	883	969	,430	40,000	806	969	950	700	1,050	1,170
14	540	901	877	963	1,400	35,000	778	975	957	680	1,040	1,120
15	540	901	870	969	1,600	29,600	743	975	950	680	1,030	1,070
16	519	950	907	981	,090	18,200	718	994	950	680	1,020	1,060
17	526	932	950	987	,170	10,200	693	994	957	670	1,250	1,050
18	533	895	932	987	,050	5,910	684	994	750	670	1,490	1,040
19	540	889	944	969	,080	4,280	678	987	1,600	670	1,730	1,020
20	540	883	944	987	,190	2,960	673	981	1,500	670	1,590	1,000
21	540	883	938	1,010	,920	4,010	673	981	1,000	670	1,410	994
22	554	883	926	963	,520	3,170	671	963	900	670	1,320	994
23	554	883	920	944	,280	1,910	650	963	750	670	1,250	994
24	554	895	920	932	,450	1,500	707	963	700	670	1,200	994
25	554	926	907	957	,380	1,370	715	963	650	670	1,220	987
26	554	889	1,020	1,070	,140	1,250	715	987	650	670	1,050	981
27	554	883	1,190	1,010	,100	1,420	710	987	650	670	1,960	975
28	550	870	987	2,230	,040	1,790	761	950	650	680	1,910	975
29	560	870	950	1,530	-----	1,550	788	944	650	680	1,600	975
30	560	864	932	1,190	-----	1,360	887	963	650	680	1,560	938
31	567	------	932	1,120	-----	1,220	------	1,000	------	700	1,440	------
TOTAL	17,031	29,236	29,602	32,937	[illegible]	576,040	25,975	26,969	27,275	22,295	40,740	32,697
MEAN	549	981	929	1,062	[illegible]	18,970	866	870	909	719	1,314	1,083
MAX	575	1,710	1,190	2,230	1,600	63,000	1,740	1,000	1,600	1,100	1,960	1,390
MIN	519	560	864	920	963	1,220	650	603	650	670	800	938

WTR YR 1971 TOTAL 867,090 MEAN 2,633 MAX 63,000 MIN 519

02171680 Wedboo Creek near Jamestown, S. C.

LOCATION.--Lat 33°19'50", long 79°48'10", Berkeley County, on right downstream wingwall of culvert on S.C. Highway 45, 1.4 miles southeast of Alvin, 3.3 miles upstream from mouth and 7.5 miles northwest of Jamestown.

DRAINAGE AREA.--17.4 sq mi.

PERIOD OF RECORD.--September 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 20 ft (from topographic map).

AVERAGE DISCHARGE.--5 years, 9.39 cfs (7.33 inches per year).

EXTREMES.--Current year: Maximum discharge, 928 cfs Aug. 26 (gage height, 5.96 ft); minimum daily, 0.56 cfs Oct. 5-7, 19.
Period of record: Maximum discharge, that of Aug. 26, 1971; no flow for many days during water years 1966-69.

REMARKS.--Records good except below 10 cfs, which are poor. Recording rain gage located at station.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	.99	7.8	1.9	19	12	69	14	17	6.9	3.0	40	27
2	.80	6.7	1.9	15	9.4	100	11	11	4.9	9.3	78	20
3	.80	5.7	1.9	12	7.8	114	8.8	8.4	3.7	30	61	15
4	.64	4.5	2.0	10	6.9	162	7.3	6.2	3.0	17	51	12
5	.56	3.6	2.0	20	8.7	106	7.2	4.6	2.4	13	38	9.1
6	.56	3.0	1.9	29	13	69	30	3.7	1.9	49	25	7.2
7	.56	2.6	1.8	24	13	50	35	2.9	1.6	74	17	10
8	.72	2.2	1.7	22	26	42	26	2.9	1.4	105	12	20
9	1.1	2.0	1.7	42	36	40	18	3.6	1.5	120	11	11
10	.99	5.2	1.7	45	27	132	13	2.7	1.6	82	9.7	9.0
11	.89	18	1.7	35	19	195	9.6	2.2	1.5	52	7.8	9.4
12	.89	13	1.7	26	15	102	7.5	2.4	1.3	31	5.7	12
13	.89	8.8	1.6	20	17	37	6.2	15	1.2	62	4.3	11
14	.80	7.0	1.5	15	16	18	5.2	12	1.2	50	3.0	8.2
15	.64	6.2	1.4	21	13	14	4.3	15	1.1	45	2.6	6.3
16	.80	5.5	6.9	40	10	20	3.8	86	1.1	38	4.5	5.0
17	.80	4.5	22	33	8.7	17	3.4	70	1.3	23	95	4.2
18	.72	3.9	14	25	7.3	13	2.9	48	3.7	13	124	3.7
19	.56	3.6	9.6	28	6.4	9.7	4.6	27	7.6	8.1	77	3.2
20	9.7	3.3	8.2	15	6.0	8.7	2.3	14	6.6	7.8	92	2.7
21	26	2.9	7.0	11	5.4	7.2	2.2	39	4.2	27	86	2.6
22	10	2.7	6.0	9.7	5.3	6.0	2.0	87	3.3	78	56	2.6
23	5.2	2.6	5.3	8.8	5.0	5.9	3.2	58	3.8	65	36	2.4
24	3.4	2.4	4.6	8.2	4.3	5.3	22	36	2.1	76	20	2.4
25	5.6	2.2	4.1	11	3.0	4.6	15	19	1.6	63	110	2.1
26	6.6	2.1	4.1	37	3.6	60	4.5	12	1.2	56	302	1.8
27	5.2	2.1	3.7	44	9.3	56	5.5	7.8	2.1	41	342	1.7
28	4.3	2.0	3.3	29	18	42	20	7.0	2.2	28	156	1.6
29	3.6	2.0	3.8	20	------	30	42	12	2.9	24	67	1.5
30	4.2	1.9	8.1	16	------	25	25	15	3.7	17	53	1.8
31	6.0	------	13	14	------	20	------	10	------	36	37	------
TOTAL	103.51	140.0	150.3	692.7	333.1	1,548.6	371.5	655.6	82.6	1,366.2	2,472.1	226.1
MEAN	3.34	4.67	4.85	22.3	11.9	50.0	12.4	21.1	2.75	44.1	79.7	7.54
MAX	26	18	22	45	36	195	42	87	7.6	120	342	27
MIN	.56	1.9	1.4	8.2	3.0	4.6	2.0	2.2	1.1	3.0	2.6	1.5
CFSM	.19	.27	.28	1.28	.68	2.88	.71	1.21	.16	2.53	4.58	.43
IN.	.22	.30	.32	1.48	.71	3.30	.80	1.40	.18	2.92	5.28	.48

CAL YR 1970 TOTAL 4,783.06 MEAN 13.1 MAX 107 MIN .00 CFSM .75 IN 10.18
WTR YR 1971 TOTAL 8,150.01 MEAN 22.3 MAX 342 MIN .56 CFSM 1.28 IN 17.43

PEAK DISCHARGE (BASE, 300 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
[illegible]	[illegible]	4.23	[illegible]	8-17	[illegible]	4.33	[illegible]
3-11	[illegible]	4.36	[illegible]	8-26	[illegible]	5.96	928
[illegible]	[illegible]	4.27	[illegible]				

02172000 Lake Moultrie near Pinopolis, S.C.

LOCATION.--Lat 33°14'40", long 79°59'30", Berkeley County, at powerplant 0.7 mile upstream from Seaboard Coast Line Railroad bridge and 2.8 miles northeast of Pinopolis.

PERIOD OF RECORD.--January 1942 to current year. Prior to October 1942, published as Pinopolis Reservoir near Pinopolis.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by South Carolina Public Service Authority). Prior to May 16, 1942 and Feb. 25 to Dec. 14, 1970, nonrecording gage and May 17, 1942 to Sept. 30, 1963, water-stage recorder at same site at datum 0.25 ft lower.

EXTREMES.--Current year: Maximum elevation, 75.65 ft June 21; minimum, 72.34 ft Sept. 30.
Period of record: Maximum elevation, 76.21 ft Oct. 14, 1959 (caused by high wind); minimum, 58.52 ft Dec. 21, 1951.

REMARKS.--Lake is formed by earth dikes and dam, with concrete navigation lock; dikes and dam completed in 1941. Storage began in November 1941. Water is diverted through canal (see sta 02170500) from Lake Marion (see sta 02171000) and discharged through tailrace canal into West Branch Cooper River. Usable capacity, 33,170,000,000 cu ft between elevations 60.0 ft (normal limit of drawdown) and 76.8 ft (maximum normal elevation). Dead storage, about 19,600,000,000 cu ft. Figures given herein represent usable contents. Water is used for generation of power and for navigation. Records of contents at end of month published for water years prior to 1964 were computed from elevations 0.25 ft too high. Records of change in contents published for the same period are slightly in error. Gages destroyed by fire Feb. 25, 1970.

Capacity table (elevation, in feet, and usable contents, in billions of cubic feet)
(Prepared from volume curve drawn by Harza Engineering Co.)

70.0	16.47
72.0	20.91
74.0	25.74
76.0	30.97

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	74.71	74.84	73.72	74.18	74.26	74.70	74.10	73.60	75.29	75.27	75.29	74.65
2	74.65	74.61	73.62	74.08	74.13	74.71	74.13	73.58	75.32	75.38	75.23	74.51
3	74.61	74.52	73.47	74.19	74.03	74.89	74.18	73.54	75.35	75.35	75.20	74.33
4	74.68	74.36	73.51	74.21	73.94	74.82	74.24	73.50	75.37	75.39	75.13	74.36
5	74.50	74.31	73.47	74.15	73.86	74.84	74.37	73.49	75.39	75.38	75.20	74.27
6	74.46	74.33	73.30	74.00	73.74	74.35	74.36	73.50	75.13	75.42	75.23	74.19
7	74.47	74.36	73.20	73.88	73.79	74.40	74.39	73.45	75.01	75.33	75.19	74.11
8	74.51	74.40	73.17	73.91	73.81	74.40	74.32	73.44	75.06	75.27	75.10	73.95
9	74.56	74.27	73.15	74.13	73.79	74.38	74.15	73.41	75.06	75.14	75.17	73.89
10	74.60	74.27	73.24	74.30	73.68	74.50	74.11	73.45	75.30	75.06	75.13	73.84
11	74.60	74.23	73.21	74.30	73.88	74.55	74.11	73.47	75.28	75.14	75.10	73.61
12	74.62	74.16	73.30	74.48	73.90	74.62	74.07	[illegible]	75.23	75.22	75.16	73.58
13	74.63	74.11	73.48	74.51	73.96	74.68	74.05	73.30	75.21	75.21	75.14	73.50
14	74.67	74.14	73.39	74.54	74.06	74.75	[illegible]	[illegible]	75.15	75.26	75.11	73.35
15	74.71	74.30	[illegible]	74.61	74.17	74.81	[illegible]	[illegible]	75.11	75.24	75.21	73.33
16	74.81	74.08	[illegible]	[illegible]	74.32	[illegible]	73.70	[illegible]	[illegible]	[illegible]	[illegible]	73.15
17	74.75	73.82	73.10	74.73	74.49	74.79	73.56	[illegible]	[illegible]	75.16	[illegible]	[illegible]
18	74.74	73.68	[illegible]	74.64	74.50	74.70	73.50	[illegible]	75.18	75.18	[illegible]	[illegible]
19	[illegible]	[illegible]	[illegible]	74.57	[illegible]	[illegible]	73.40	[illegible]	[illegible]	75.14	[illegible]	[illegible]
20	[illegible]	73.57	73.72	[illegible]	74.74	[illegible]	73.50	[illegible]	[illegible]	75.21	75.10	[illegible]
21	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
22	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
23	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
24	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
25	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
26	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
27	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
28	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
29	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
30	[illegible]	[illegible]	[illegible]	[illegible]	-------	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
31	[illegible]	-------	[illegible]	[illegible]	-------	[illegible]	-------	[illegible]	-------	[illegible]	[illegible]	-------
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

02173000 South Fork Edisto River near Denmark, S.C.

LOCATION.--Lat 33°23'35", long 81°08'00", Orangeburg County, on left bank at downstream side of bridge on U.S. Highway 321, 360 ft downstream from Seaboard Coast Line Railroad bridge, 1.8 miles downstream from Little River, 4.8 miles north of Denmark, and at mile 136.6.

DRAINAGE AREA.--720 sq mi, approximately.

PERIOD OF RECORD.--August 1931 to September 1971 (discontinued).

GAGE.--Water-stage recorder. Datum of gage is 155.68 ft above mean sea level (levels by Corps of Engineers). Prior to Oct. 27, 1931, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--40 years, 797 cfs (15.03 inches per year).

EXTREMES.--Current year: Maximum discharge, 4,820 cfs Mar. 5 (gage height, 8.64 ft); minimum, 297 cfs Oct. 8 (gage height, 4.20 ft).
Period of record: Maximum discharge, 13,500 cfs Apr. 11, 1936 (gage height, 10.91 ft), from rating curve extended above 7,100 cfs on basis of velocity-area studies; minimum, 146 cfs Aug. 12, 1956.
Maximum flood known since at least 1893, 11.7 ft in October 1929, on basis of information from State Highway Department (discharge, 17,100 cfs, by conveyance-slope study).

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	332	656	510	1,040	1,370	1,440	2,010	1,220	539	580	1,640	802
2	338	650	508	1,060	1,260	1,650	1,730	1,060	536	604	1,490	738
3	339	673	508	1,030	1,110	2,580	1,460	958	549	958	1,240	724
4	329	668	508	1,010	1,010	3,930	1,380	900	570	1,290	1,310	706
5	317	839	503	970	958	4,670	1,330	840	577	1,240	1,500	706
6	306	1,360	498	946	958	4,760	1,340	762	552	1,060	1,620	778
7	300	1,360	490	934	994	4,610	1,330	706	505	922	1,340	820
8	299	1,180	484	922	1,150	3,750	1,290	694	454	802	1,120	794
9	309	956	480	982	1,300	2,820	1,230	730	432	840	1,490	730
10	331	844	478	1,070	1,360	2,220	1,160	712	446	860	1,940	688
11	336	870	478	1,190	1,370	1,880	1,100	688	530	1,020	1,560	682
12	340	862	478	1,260	1,430	1,620	1,070	660	536	970	1,370	706
13	341	940	482	1,190	1,530	1,440	1,030	820	524	850	1,160	712
14	342	1,050	486	1,110	1,550	1,330	970	860	495	802	970	704
15	353	995	478	1,230	1,410	1,230	920	870	478	770	934	700
16	410	840	577	1,380	1,260	1,190	890	1,200	470	738	1,010	694
17	432	746	704	1,380	1,130	1,200	810	1,300	530	694	1,500	670
18	422	712	1,010	1,330	1,040	1,190	778	1,520	586	694	1,970	676
19	390	698	1,200	1,200	994	1,160	770	1,530	580	640	2,430	770
20	420	665	1,330	1,000	962	1,130	730	1,270	640	592	2,700	[illegible]
21	548	635	1,260	994	946	1,110	704	1,170	754	690	3,010	714
22	582	600	1,440	1,010	910	1,080	694	1,040	850	724	2,540	762
23	610	577	1,560	958	1,070	1,070	704	890	970	810	2,100	1,190
24	643	556	1,370	902	1,220	1,040	850	770	1,120	880	1,650	1,370
25	660	542	1,170	1,010	1,270	1,040	1,010	694	1,070	946	1,360	1,430
26	677	533	1,040	1,110	1,170	1,990	1,130	665	994	862	1,700	1,470
27	727	524	946	1,190	1,290	2,120	1,110	586	922	910	1,080	1,360
28	788	515	880	1,170	1,410	2,470	1,160	570	890	870	946	1,190
29	805	513	846	1,120	------	2,410	1,430	550	730	862	862	958
30	766	510	880	1,220	------	2,240	1,400	550	640	900	770	824
31	692	------	946	1,380	------	2,300	------	586	------	1,110	946	------
TOTAL	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MEAN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MAX	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
MIN	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
CFSM	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
IN.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

CAL YR 1970 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]
WTR YR 1971 TOTAL [illegible] MEAN [illegible] MAX [illegible] MIN [illegible] CFSM [illegible] IN [illegible]

02173500 North Fork Edisto River at Orangeburg, S.C.

LOCATION.--Lat 33°29'00", long 80°52'25", Orangeburg County, on left bank under bridge on U.S. Highway 301 at Orangeburg, 0.5 mile upstream from Seaboard Coast Line Railroad bridge, 1.5 miles downstream from Caw Caw Swamp, and at mile 22.1.

DRAINAGE AREA.--683 sq mi.

PERIOD OF RECORD.--October 1938 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 149.02 ft above mean sea level (levels by Corps of Engineers). Prior to Feb. 23, 1939, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--33 years, 778 cfs (15.47 inches per year).

EXTREMES.--Current year: Maximum discharge, 5,850 cfs Mar. 5 (gage height, 11.64 ft); minimum, 344 cfs Oct. 8.
Period of record: Maximum discharge, 9,500 cfs Sept. 18, 1945 (gage height, 14.28 ft), from rating curve extended above 5,300 cfs by velocity-area studies; minimum, 190 cfs Sept. 13, 14, 1954.
Maximum flood known since at least 1893, 14.7 ft in September 1928 (discharge, 10,000 cfs, from rating curve extended as described above), on basis of information from Department of Public Utilities, city of Orangeburg.

REMARKS.--Records good. About 5.7 cfs diverted by city of Orangeburg for municipal supply.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	374	622	491	845	1,090	1,300	1,770	1,260	614	602	3,350	715
2	374	610	489	872	1,050	1,510	1,490	1,070	624	626	3,160	708
3	374	612	489	872	960	2,540	1,290	946	622	731	2,220	700
4	372	598	489	842	878	4,160	1,200	866	602	1,070	1,730	682
5	364	593	486	819	836	5,590	1,170	822	575	1,260	1,430	664
6	356	674	484	802	816	5,110	1,210	786	545	1,110	1,130	656
7	348	758	479	794	845	3,750	1,240	745	515	922	929	662
8	346	719	473	789	972	3,200	1,270	711	490	824	869	648
9	352	656	470	851	1,090	2,480	1,230	695	490	738	854	636
10	364	648	470	904	1,130	1,860	1,150	691	513	684	810	630
11	368	662	469	1,000	1,150	1,550	1,080	676	496	691	822	640
12	370	666	469	1,060	1,130	1,370	1,030	658	483	717	950	693
13	371	706	469	1,000	1,200	1,280	1,000	670	472	686	922	745
14	379	753	463	911	1,270	1,230	964	717	461	684	866	722
15	382	738	461	911	1,200	1,200	922	915	454	728	872	704
16	392	711	649	1,000	1,050	1,170	878	1,140	459	728	884	700
17	392	684	848	1,060	943	1,150	851	1,210	530	738	1,740	686
18	392	664	1,020	1,030	872	1,130	827	1,260	597	726	2,740	691
19	394	652	1,190	946	824	1,100	802	1,320	680	670	2,090	789
20	419	632	1,170	863	810	1,060	797	1,150	836	620	2,610	890
21	458	600	1,080	810	810	1,020	799	972	786	622	2,370	894
22	497	573	1,120	781	822	1,010	802	922	771	686	2,390	802
23	526	547	1,280	768	860	1,020	830	860	833	802	2,160	731
24	547	528	1,180	766	980	1,000	953	771	1,030	808	1,720	733
25	575	513	1,000	827	1,130	1,000	1,100	695	1,110	805	1,370	810
26	598	506	869	1,040	1,090	1,530	1,150	646	992	851	1,120	854
27	648	498	784	1,060	1,190	2,030	1,120	598	839	929	957	833
28	700	498	724	1,070	1,210	2,260	1,160	573	722	1,130	872	760
29	733	497	715	1,080	-------	2,000	1,390	595	658	1,140	830	695
30	697	494	738	1,030	-------	1,860	1,490	606	626	1,020	802	650
31	654	-------	789	1,020	-------	1,960	-------	604	-------	1,930	753	-------
TOTAL	14,116	18,612	22,307	28,423	28,208	60,430	32,965	26,150	19,425	26,278	47,122	21,723
MEAN	455	620	720	917	1,007	1,949	1,099	844	648	848	1,520	724
MAX	733	758	1,280	1,080	1,270	5,590	1,770	1,320	1,110	1,930	3,350	894
MIN	346	494	461	766	810	1,000	797	573	454	602	753	630
CFSM	.67	.91	1.05	1.34	1.47	2.85	1.61	1.24	.95	1.24	2.23	1.06
IN.	.77	1.01	1.21	1.55	1.54	3.29	1.80	1.42	1.06	1.43	2.57	1.18

CAL YR 1970 TOTAL 232,972 MEAN 638 MAX 2,200 MIN 327 CFSM .93 IN 12.69
WTR YR 1971 TOTAL 345,759 MEAN 947 MAX 5,590 MIN 346 CFSM 1.39 IN 18.83

02174000 Edisto River near Branchville, S.C.

LOCATION.--Lat 33°10'35", long 80°48'05", Bamberg County, on right bank 400 ft downstream from bridge on U.S. Highway 21, 4.7 miles downstream from Brier Branch, 5.2 miles south of Branchville, and at mile 100.0.

DRAINAGE AREA.--1,720 sq mi, approximately.

PERIOD OF RECORD.--October 1945 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 80.02 ft above mean sea level (levels by Corps of Engineers). Prior to May 19, 1949, at datum 1.00 ft higher.

AVERAGE DISCHARGE.--26 years, 1,968 cfs (15.54 inches per year).

EXTREMES.--Current year: Maximum discharge, 11,100 cfs Mar. 8 (gage height, 10.68 ft); minimum, 635 cfs Oct. 9-10.
Period of record: Maximum discharge, 14,[illegible]00 cfs Sept. 3, 1964 (gage height, 11.44 ft); minimum, 323 cfs Aug. 14, 1956.
Maximum flood known since at least 1893, 13.5 ft, present datum, in September 1928, on basis of information from State Highway Department (discharge, 25,700 cfs, by conveyance-slope study).

REMARKS.--Records good except for period of no gage height record which are fair.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	674	1,390	1,090	2,000	2,680	3,310	4,870	2,770	1,450	1,900	2,360	2,270
2	677	1,420	1,080	2,010	2,610	3,620	4,770	2,910	1,400	2,050	2,440	2,150
3	674	1,410	1,070	2,030	2,610	4,050	4,640	2,950	1,350	2,200	2,960	2,070
4	674	1,360	1,070	2,060	2,650	4,850	4,230	2,800	1,310	2,300	3,720	2,000
5	668	1,300	1,060	2,090	2,630	6,130	3,820	2,570	1,280	2,400	3,890	1,940
6	659	1,270	1,050	2,090	2,550	7,770	3,630	2,360	1,260	2,600	3,850	1,850
7	650	1,260	1,040	2,080	2,460	9,640	3,510	2,180	1,240	2,700	3,610	1,780
8	641	1,270	1,030	2,050	2,440	11,000	3,430	2,040	1,220	2,900	3,480	1,710
9	638	1,370	1,030	2,090	2,490	10,500	3,330	1,960	1,200	3,000	3,240	1,650
10	638	1,540	1,010	2,130	2,610	9,310	3,210	1,870	1,200	3,000	3,040	1,650
11	653	1,680	1,010	2,170	2,780	7,990	3,090	1,800	1,150	2,700	3,010	1,700
12	668	1,750	1,000	2,230	2,870	6,520	2,970	1,770	1,150	2,400	3,040	1,690
13	677	1,740	998	2,260	2,870	5,210	2,840	1,730	1,050	2,200	2,970	1,630
14	686	1,700	986	2,310	2,860	4,380	2,700	1,680	1,050	2,000	2,690	1,580
15	695	1,640	980	2,420	2,860	3,890	2,580	1,660	1,050	1,900	2,540	1,570
16	734	1,600	1,060	2,520	2,930	3,590	2,500	1,760	1,050	1,830	2,510	1,580
17	776	1,600	1,270	2,650	2,980	3,370	2,410	1,940	1,100	1,730	2,870	1,580
18	791	1,640	1,410	2,860	2,920	3,190	2,300	2,130	1,150	1,660	3,560	1,570
19	797	1,650	1,600	2,940	2,760	3,060	2,200	2,420	1,250	1,610	4,460	1,550
20	818	1,600	1,830	2,850	2,590	2,960	2,110	2,550	1,300	1,570	5,030	1,540
21	845	1,530	2,000	2,710	2,440	2,880	2,040	2,660	1,350	1,540	5,040	1,550
22	905	1,470	2,130	2,550	2,310	2,820	1,980	2,730	1,400	1,520	5,230	1,620
23	971	1,420	2,280	2,380	2,250	2,760	1,960	2,600	1,400	1,470	5,600	1,730
24	1,030	1,360	2,340	2,240	2,250	2,700	2,060	2,400	1,450	1,430	5,660	1,790
25	1,070	1,300	2,370	2,210	2,430	2,690	2,190	2,230	1,450	1,470	5,290	1,740
26	1,100	1,240	2,520	2,310	2,340	2,950	2,360	2,080	1,500	1,570	4,660	1,710
27	1,140	1,190	2,550	2,530	2,530	3,420	2,490	1,900	1,500	1,680	4,020	1,830
28	1,170	1,150	2,420	2,810	2,890	4,080	2,540	1,750	1,600	1,790	3,470	1,980
29	1,210	1,120	2,240	2,960	------	4,730	2,620	1,640	1,700	1,880	3,050	2,090
30	1,250	1,110	2,100	2,890	------	5,030	2,700	1,550	1,800	2,030	2,730	2,120
31	1,310	------	2,020	2,770	------	5,060	------	1,500	------	2,220	2,470	------
TOTAL	25,889	43,080	47,644	74,200	73,590	153,460	88,080	66,890	39,360	63,250	112,490	53,220
MEAN	835	1,436	1,537	2,394	2,628	4,950	2,936	2,158	1,312	2,040	3,629	1,774
MAX	1,310	1,750	2,550	2,960	2,980	11,000	4,870	2,950	1,800	3,000	5,660	2,270
MIN	638	1,110	980	2,000	2,250	2,690	1,960	1,500	1,050	1,430	2,360	1,540
CFSM	.49	.83	.89	1.39	1.53	2.88	1.71	1.25	.76	1.19	2.11	1.03
IN.	.56	.93	1.03	1.60	1.59	3.32	1.90	1.45	.85	1.37	2.43	1.15

CAL YR 1970 TOTAL 551,861 MEAN 1,512 MAX 6,280 MIN 551 CFSM .88 IN 11.94
WTR YR 1971 TOTAL 841,153 MEAN 2,305 MAX 11,000 MIN 638 CFSM 1.34 IN 18.19

Note.--No gage height June 8 to July 15.

EDISTO RIVER BASIN

02174250 Cow Castle Creek near Bowman, S.C.

LOCATION.--Lat 33°22'43", long 80°42'00", Orangeburg County, at bridge on county road, 1.1 mile above Buck Branch and 3.2 miles northwest of Bowman.

DRAINAGE AREA.--23.4 sq mi.

PERIOD OF RECORD.--Current year.

GAGE.--Water-stage recorder. Altitude of gage is 125 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 466 cfs Mar. 4 (gage height 6.36 ft); minimum daily, 1.5 cfs Oct. 2-9, 11-14, 16-19.

REMARKS.--Records good except those for periods of doubtful or no gage-height record which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	2.0	3.0	2.0	16	37	119	43	20	6.5	16	59	12
2	1.5	2.5	2.0	14	24	138	38	17	3.8	39	73	10
3	1.5	2.5	2.0	12	21	318	34	15	3.6	80	43	9.0
4	1.5	2.0	2.0	11	20	430	30	13	3.6	38	29	8.5
5	1.5	2.0	2.0	12	23	171	32	12	3.2	31	21	8.0
6	1.5	2.0	2.0	12	25	101	62	10	3.0	50	18	7.5
7	1.5	2.0	2.0	12	27	80	54	9.0	2.9	69	15	7.0
8	1.5	2.0	2.0	12	56	65	44	9.0	2.7	60	15	7.0
9	1.5	2.0	2.0	33	58	56	37	8.0	2.9	48	21	6.5
10	2.0	2.5	2.0	30	40	50	32	8.0	4.5	31	17	6.0
11	1.5	6.5	2.0	23	32	46	28	8.0	3.5	22	14	6.0
12	1.5	4.5	2.0	19	29	42	24	8.0	2.9	22	12	5.5
13	1.5	2.5	2.0	17	28	39	21	9.5	2.9	33	10	5.5
14	1.5	2.5	2.0	17	24	38	19	11	2.8	23	8.4	5.0
15	2.0	2.0	2.0	55	21	38	18	14	2.8	30	8.4	5.0
16	1.5	2.0	19	70	19	40	17	20	4.9	33	15	5.0
17	1.5	2.0	30	65	18	34	15	15	8.8	22	266	5.0
18	1.5	2.0	17	45	17	28	14	12	22	17	410	4.5
19	1.5	2.0	12	35	16	28	13	10	28	14	168	18
20	2.0	2.0	9.7	35	16	26	13	9.0	14	12	75	15
21	3.0	2.0	8.7	30	15	23	14	9.0	11	14	53	10
22	2.5	2.0	8.0	30	17	22	12	8.0	12	19	41	6.0
23	2.0	2.0	7.4	30	44	28	20	8.0	17	15	44	5.0
24	2.5	2.0	7.0	50	30	25	62	8.0	14	13	40	3.5
25	3.0	2.0	6.6	120	24	27	41	8.0	9.0	12	31	3.1
26	2.5	2.0	6.7	144	24	202	30	8.0	7.2	12	36	3.0
27	2.0	2.0	5.3	82	134	142	23	7.5	18	16	30	2.9
28	2.0	2.0	6.2	52	100	87	30	7.5	24	13	23	2.8
29	2.0	2.0	7.4	49	------	69	30	9.0	13	12	19	2.8
30	2.5	2.0	10	49	------	62	23	12	10	14	15	2.6
31	4.5	------	14	49	------	51	------	8.5	------	41	13	------
TOTAL	60.5	70.5	205.0	1,230	939	2,625	873	331.0	264.5	871	1,642.8	197.7
MEAN	1.95	2.35	6.61	39.7	33.5	84.7	29.1	10.7	8.82	28.1	53.0	6.59
MAX	4.5	6.5	30	144	134	430	62	20	28	80	410	18
MIN	1.5	2.0	2.0	11	15	22	12	7.5	2.7	12	8.4	2.6
CFSM	.08	.10	.28	1.70	1.43	3.62	1.24	.46	.38	1.20	2.26	.28
IN.	.10	.11	.33	1.96	1.49	4.17	1.39	.53	.42	1.34	2.61	.31

WTR YR 1971 TOTAL 9,310.0 MEAN 25.5 MAX 430 MIN 1.5 CFSM 1.09 IN 14.80

PEAK DISCHARGE (BASE, 150 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
1-26	1143	5.47	182	3-26	1800	5.91	354
3-04	0330	6.36	466	8-18	0645	6.26	436

NOTE.--Doubtful or no gage-height record Oct. 1 to Jan. 7.

02175000 Edisto River near Givhans, S.C.
(International hydrological decade station)

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, on left bank at downstream side of bridge on State Highway 61, 2.3 miles downstream from Four Hole Swamp, 2.8 miles west of Givhans, and at mile 59.9.

DRAINAGE AREA.--2,730 sq mi, approximately.

PERIOD OF RECORD.--January 1939 to current year.

GAGE.--Water-stage recorder. Datum of gage is 20.46 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--32 years, 2,617 cfs (13.02 inches per year).

EXTREMES.--Current year: Maximum discharge, 14,200 cfs Mar. 11 (gage height, 13.90 ft); minimum, 675 cfs Oct. 2.
Period of record: Maximum discharge, 24,300 cfs Sept. 21, 1945 (gage height, 17.28 ft), from rating curve extended above 15,000 cfs; minimum, 290 cfs Aug. 16, 1956 (gage height, 0.51 ft).
Maximum stage known since at least 1904, 17.5 ft in February 1925, from investigation by Charleston Commissioners of Public Works (discharge, 24,900 cfs).

REMARKS.--Records fair. About 106 cfs a day diverted above station for Charleston water supply during year. Records of chemical analyses and sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	680	1,160	1,040	2,790	3,650	3,400	6,750	3,340	2,000	2,110	3,850	5,700
2	675	1,210	1,040	2,690	3,750	4,090	7,290	3,360	1,820	2,270	4,200	5,260
3	684	1,260	1,040	2,580	3,750	5,230	7,530	3,380	1,670	2,440	4,400	4,860
4	693	1,300	1,010	2,510	3,700	6,330	7,370	3,410	1,540	2,610	4,670	4,400
5	696	1,300	1,000	2,470	3,700	7,770	7,040	3,440	1,440	2,810	6,000	4,000
6	702	1,260	1,000	2,480	3,700	9,210	6,800	3,440	1,360	3,050	6,370	3,580
7	711	1,210	968	2,480	3,670	10,200	6,540	3,350	1,300	3,200	6,200	3,250
8	720	1,180	960	2,310	3,700	11,400	6,220	3,180	1,250	3,380	5,910	2,970
9	723	1,170	960	2,500	3,750	12,800	5,810	2,990	1,220	3,700	5,800	2,700
10	726	1,200	960	2,680	3,750	13,900	5,420	2,830	1,190	4,120	5,600	2,550
11	729	1,310	960	2,790	3,800	14,100	5,130	2,660	1,170	4,630	5,400	2,400
12	726	1,500	940	2,780	3,860	13,300	4,880	2,500	1,150	4,980	5,240	2,380
13	730	1,600	925	2,780	4,000	11,900	4,630	2,420	1,090	5,080	5,000	2,440
14	740	1,700	930	2,800	4,050	10,500	4,390	2,350	1,080	4,940	4,500	2,370
15	750	1,710	939	2,910	4,140	9,160	4,140	2,290	1,090	4,540	4,080	2,240
16	760	1,680	984	3,000	4,190	7,980	3,910	2,450	1,080	4,010	3,950	2,120
17	770	1,600	1,100	3,090	4,100	7,020	3,680	2,600	1,150	3,510	4,470	1,970
18	780	1,600	1,300	3,150	4,060	6,250	3,460	2,590	1,310	3,110	6,190	1,700
19	800	1,600	1,450	3,150	3,900	5,640	3,260	2,520	1,450	2,740	7,860	1,860
20	820	1,600	1,600	3,290	3,800	5,130	3,090	2,500	1,470	2,430	9,040	1,800
21	840	1,600	1,720	3,300	3,750	4,730	2,990	2,570	1,450	2,240	9,400	1,800
22	860	1,500	1,980	3,360	3,570	4,430	2,870	2,720	1,430	2,170	9,800	1,750
23	880	1,500	2,000	3,400	3,360	4,190	2,750	2,820	1,470	2,170	10,000	1,700
24	900	1,400	2,060	3,360	3,100	4,010	2,940	2,870	1,500	2,230	10,400	1,700
25	940	1,320	2,190	3,350	3,060	3,870	3,140	2,880	1,530	2,300	10,400	1,900
26	960	1,280	2,330	3,180	2,930	3,960	3,260	2,800	1,560	2,310	10,100	1,900
27	968	1,270	2,440	3,000	2,880	4,250	3,270	2,640	1,580	2,330	9,400	1,850
28	999	1,160	2,540	3,020	2,960	4,690	3,280	2,480	1,630	2,420	8,810	1,850
29	1,030	1,100	2,650	3,180	------	5,140	3,300	2,390	1,750	2,510	7,600	1,850
30	1,070	1,040	2,700	3,360	------	5,590	3,310	2,310	1,930	3,050	6,720	1,900
31	1,110	------	2,840	3,510	------	6,140	------	2,170	------	3,710	5,980	------
TOTAL	25,172	41,350	46,630	91,190	102,710	220,310	138,450	86,250	42,660	97,100	207,340	78,750
MEAN	812	1,378	1,504	2,942	3,668	7,107	4,615	2,782	1,422	3,132	6,688	2,625
MAX	1,110	1,710	2,840	3,510	4,190	14,100	7,530	3,440	2,000	5,080	10,400	5,700
MIN	675	1,040	925	2,310	2,880	3,400	2,750	2,170	1,080	2,110	3,850	1,700
CFSM	.30	.50	.55	1.08	1.34	2.60	1.69	1.02	.52	1.15	2.45	.96
IN.	.34	.56	.64	1.24	1.40	3.00	1.89	1.18	.58	1.32	2.83	1.07

CAL YR 1970 TOTAL 790,715 MEAN 2,166 MAX 11,200 MIN [illegible] CFSM .79 IN 10.77
WTR YR 1971 TOTAL 1,183,910 MEAN 3,244 MAX 14,100 MIN 675 CFSM 1.19 IN 16.13

02175500 Salkehatchie River near Miley, S.C.

LOCATION.--Lat 32°59'20", long 81°03'10", Hampton County, on right bank 90 ft downstream from bridge on U.S. Highway 601, 2.4 miles (revised) downstream from Savannah Creek, 3.1 miles upstream from Hampton and Branchville Railroad bridge, 3.1 miles northwest of Miley, and at mile 68.0.

DRAINAGE AREA.--341 sq mi.

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 64.35 ft above mean sea level. Dec. 6, 1957 to Jan. 22, 1971, nonrecording gage at same site and datum. Prior to Dec. 6, 1957, nonrecording gage at bridge 90 ft upstream at same datum.

AVERAGE DISCHARGE.--20 years, 323 cfs (12.86 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,570 cfs Mar. 4 (gage height, 4.48 ft); minimum daily, 59 cfs Oct. 8.
Period of record: Maximum discharge, 2,340 cfs Sept. 2, 1964 (gage height, 4.99 ft); minimum, 17 cfs Sept. 13, 1954.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	92	245	180	383	508	754	776	411	164	245	363	515
2	90	255	180	404	431	952	690	351	163	223	488	527
3	86	242	180	410	371	1,170	587	290	152	303	617	477
4	80	230	176	426	330	1,510	510	250	136	405	520	458
5	73	206	174	436	317	1,530	474	228	120	399	437	445
6	66	182	170	470	327	1,500	516	212	106	415	390	494
7	66	163	168	455	338	1,520	533	194	96	609	326	526
8	59	150	168	431	387	1,480	510	196	91	633	311	519
9	99	145	164	480	431	1,220	514	201	89	443	528	499
10	117	159	168	500	445	958	496	186	96	444	818	481
11	120	180	166	508	480	792	469	183	137	437	647	452
12	127	225	164	490	514	667	437	188	164	290	573	507
13	136	278	170	460	520	581	405	212	139	404	443	659
14	130	334	184	431	513	549	367	223	157	421	313	578
15	142	310	180	418	484	552	332	263	177	359	242	475
16	172	281	275	400	441	549	307	365	223	299	277	413
17	154	258	387	380	398	518	290	400	282	219	853	379
18	145	260	475	355	357	483	277	380	264	185	1,450	334
19	136	260	550	341	327	470	264	438	228	162	1,390	302
20	197	248	600	341	310	460	252	446	216	142	1,270	287
21	266	222	676	341	301	447	249	398	208	156	949	281
22	308	210	606	379	298	435	247	351	228	184	785	269
23	314	195	538	375	303	437	259	289	227	176	955	287
24	299	178	485	355	300	425	405	211	232	198	899	324
25	280	174	404	367	299	407	477	165	260	199	760	311
26	269	172	352	395	321	564	465	144	245	206	844	258
27	255	174	320	408	468	699	502	128	194	245	743	228
28	228	172	296	436	526	705	509	121	200	199	571	208
29	212	175	263	475	------	838	480	149	308	180	489	188
30	178	180	281	490	------	882	452	151	278	219	499	172
31	232	------	308	532	------	842	------	154	------	292	529	------
TOTAL	5,128	6,463	9,408	13,072	11,045	24,896	13,051	7,878	5,580	9,291	20,279	11,853
MEAN	165	215	303	422	394	803	435	254	186	300	654	395
MAX	314	334	676	532	526	1,530	776	446	308	633	1,450	659
MIN	59	145	164	341	298	407	247	121	89	142	242	172
CFSM	.48	.63	.89	1.24	1.16	2.35	1.28	.74	.55	.88	1.92	1.16
IN.	.56	.71	1.03	1.43	1.20	2.72	1.42	.86	.61	1.01	2.21	1.29

CAL YR 1970 TOTAL 99,500 MEAN 273 MAX 1,660 MIN 49 CFSM .80 IN 10.85
WTR YR 1971 TOTAL 137,944 MEAN 378 MAX 1,530 MIN 59 CFSM 1.11 IN 15.05

02176500 Coosawhatchie River near Hampton, S.C.

LOCATION.--Lat 32°50'10", long 81°07'55", Hampton County, near left bank on downstream side of bridge on U.S. Highway 601, 1.6 miles downstream from Black Creek, 2.5 miles southwest of Hampton, and at mile 33.6.

DRAINAGE AREA.--203 sq mi.

PERIOD OF RECORD.--February 1951 to current year.

GAGE.--Water-stage recorder. Datum of gage is 50.30 ft above mean sea level. Prior to Oct. 26, 1954, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--20 years, 177 cfs (11.84 inches per year).

EXTREMES.--Current year: Maximum discharge, 1,530 cfs Mar. 4 (gage height, 5.16 ft); minimum daily, .46 cfs Oct. 7, 8.
Period of record: Maximum discharge, 8,160 cfs Sept. 2, 1969 (gage height, 8.39 ft, from floodmarks); no flow for some days in 1951, 1954, 1956, 1957, 1968, 1969.

REMARKS.--Records good except for period of no gage-height record which are poor.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1.3	19	9.1	124	300	612	404	175	26	33	785	660
2	1.2	22	9.5	129	260	848	332	161	16	56	545	582
3	1.0	20	9.9	116	220	1.070	283	137	9.5	134	436	560
4	.90	17	10	98	190	1.430	239	112	6.4	146	293	442
5	.70	16	11	92	180	1.350	226	90	4.8	140	243	373
6	.54	9.9	8.3	88	160	994	293	72	3.5	146	568	321
7	.46	6.2	8.3	86	150	751	380	59	2.6	186	380	273
8	.46	5.6	7.6	95	140	636	361	53	2.1	299	263	243
9	1.1	5.0	7.6	120	160	560	299	56	3.2	226	423	204
10	1.4	6.2	8.0	440	260	475	253	57	20	243	430	189
11	1.7	8.3	8.3	550	400	404	213	59	10	310	293	196
12	1.9	9.9	9.1	500	340	349	189	54	6.6	258	178	230
13	1.7	12	10	460	280	321	164	53	5.8	299	126	293
14	1.6	20	10	400	240	321	149	45	4.6	155	126	253
15	1.7	25	9.9	380	200	343	126	48	3.2	112	101	185
16	2.0	22	37	320	180	380	114	88	2.3	72	140	137
17	2.0	14	77	300	160	386	103	116	8.3	49	1.010	110
18	1.9	12	96	240	150	343	94	114	26	33	1.210	96
19	1.8	12	114	200	140	299	84	94	35	26	1.000	116
20	6.0	10	126	180	130	273	75	75	40	33	700	106
21	6.6	11	103	160	120	243	70	79	38	25	482	89
22	9.5	8.7	76	140	120	234	79	53	29	23	355	74
23	10	8.7	57	130	120	217	81	39	25	24	552	68
24	8.3	9.1	49	120	110	193	436	29	29	33	803	68
25	11	7.6	40	120	110	182	760	21	19	34	1.090	65
26	11	7.0	30	120	110	367	636	15	13	77	956	58
27	11	7.2	33	150	152	652	430	10	9.5	140	785	50
28	11	7.6	31	280	273	708	306	8.8	6.4	129	628	42
29	11	8.0	37	440	------	582	230	16	6.2	83	475	34
30	12	8.7	60	443	------	524	193	24	11	134	300	28
31	14	------	96	380	------	460	------	28	------	700	644	------
TOTAL	146.76	355.7	1.203.6	7.370	5.335	16.515	7.600	2.041.0	422.0	4.342	16.408	6.167
MEAN	4.73	11.9	38.8	238	191	533	253	65.8	14.1	140	529	205
MAX	14	25	126	550	400	1.430	760	175	40	700	1.210	660
MIN	.46	5.0	7.6	86	110	182	70	8.8	2.1	23	101	28
CFSM	.02	.06	.19	1.17	.94	2.63	1.25	.32	.07	.69	2.61	1.01
IN.	.03	.07	.22	1.35	.98	3.03	1.39	.37	.08	.80	3.01	1.13

CAL YR 1970 TOTAL 61,734.36 MEAN 169 MAX 1,970 MIN .46 CFSM .83 IN 11.31
WTR YR 1971 TOTAL 67,906.06 MEAN 186 MAX 1,430 MIN .46 CFSM .92 IN 12.44

NOTE.--No gage-height record Jan. 8 to Feb. 26.

02177000 Chattooga River near Clayton, Ga.

LOCATION.--Lat 34°48'50", long 83°18'22", Oconee County, S.C., on left bank 150 ft downstream from bridge on U.S. Highway 76, 2.8 miles upstream from Stekoa Creek, 7 miles southeast of Clayton, 9 miles downstream from War Woman Creek, and 9 miles upstream from confluence with Tallulah River.

DRAINAGE AREA.--207 sq mi.

PERIOD OF RECORD.--Discharge: May 1907 to June 1908, October 1939 to current year. Monthly discharge only for some periods, published in WSP 1303.
Chemical analyses: February 1968 to current year.

GAGE.--Water-stage recorder. Datum of gage is 1,165.6 ft above mean sea level. May 1907 to June 1908, nonrecording gage at site 400 ft upstream at different datum.

AVERAGE DISCHARGE.--32 years (1939-71), 621 cfs (40.74 inches per year).

EXTREMES.--Current year: Maximum discharge, 3,290 cfs Feb. 22 (gage height, 3.91 ft); minimum, 162 cfs Oct. 5 (gage height, 1.03 ft).
Period of record: Maximum discharge, 29,000 cfs Aug. 30, 1940 (gage height, 13.8 ft), from rating curve extended above 4,700 cfs on basis of slope-area measurements at gage heights 9.9 and 13.8 ft; minimum, 88 cfs Oct. 8, 12, 13, 1954.

REMARKS.--Records good. Laboratory chemical analyses by Georgia Water Quality Control Board. Field determination of Discharge, Water Temperature, pH, and Dissolved Oxygen by U.S. Geological Survey.

REVISIONS (WATER YEARS).--WSP 1383: 1940-41, drainage area.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	184	869	361	356	576	931	864	525	426	565	1,250	649
2	182	724	355	337	528	1,150	881	512	415	558	1,150	550
3	181	773	344	338	534	1,400	833	501	414	484	1,610	421
4	173	645	337	467	763	1,350	782	487	420	393	1,900	382
5	166	565	325	1,650	1,440	1,130	756	479	434	377	1,810	382
6	166	518	322	850	1,150	1,040	849	477	404	425	1,740	407
7	166	480	314	662	972	1,050	878	470	381	511	1,160	376
8	170	451	313	582	1,090	957	793	533	403	552	985	364
9	232	428	310	544	1,060	900	755	500	393	495	871	346
10	496	829	309	520	875	891	727	458	396	508	835	340
11	567	736	307	487	811	884	699	449	393	525	760	346
12	386	593	332	461	766	866	680	480	435	434	739	340
13	307	528	353	441	1,160	853	667	1,040	395	443	662	318
14	290	498	311	438	1,040	890	648	894	389	393	633	307
15	394	611	299	564	892	989	627	832	363	368	626	307
16	331	516	438	490	828	1,070	621	1,090	346	359	625	318
17	275	479	546	454	781	914	608	803	359	341	601	382
18	256	452	405	437	750	849	598	690	662	327	574	870
19	248	441	370	416	723	966	587	624	548	389	545	562
20	528	574	358	388	782	931	577	581	436	443	526	427
21	965	627	371	401	761	848	578	651	393	360	489	383
22	623	507	356	450	1,760	812	585	553	459	329	472	346
23	459	472	415	861	1,630	786	680	521	424	317	480	353
24	398	433	524	977	1,160	748	747	502	373	778	459	337
25	439	412	435	1,0[illegible]	1,010	764	609	498	364	575	435	476
26	392	407	394	916	1,060	820	573	475	344	680	414	394
27	342	397	370	743	1,170	769	552	452	341	533	400	359
28	320	391	357	653	1,000	868	633	467	379	451	394	436
29	537	380	356	611	------	1,220	574	514	358	448	382	394
30	2,090	371	358	616	------	1,110	530	493	494	518	370	353
31	1,280	------	364	678	------	939	------	453	------	1,270	340	------
TOTAL	13,543	16,107	11,309	18,823	27,072	29,675	20,499	18,004	12,306	15,169	24,237	12,225
MEAN	437	537	365	607	967	957	683	581	410	489	782	408
MAX	2,090	869	546	1,650	1,760	1,400	881	1,090	662	1,270	1,900	870
MIN	166	371	299	337	528	748	530	449	341	317	340	307
CFSM	2.11	2.59	1.76	2.93	4.67	4.62	3.30	2.81	1.98	2.36	3.78	1.97
IN.	2.43	2.89	2.03	3.38	4.87	5.33	3.68	3.24	2.21	2.72	4.36	2.20

CAL YR 1970 TOTAL 176,196 MEAN 483 MAX 2,090 MIN 166 CFSM 2.33 IN 31.66
WTR YR 1971 TOTAL 218,969 MEAN 600 MAX 2,090 MIN 166 CFSM 2.90 IN 39.35

PEAK DISCHARGE (BASE, 3,400 CFS).--No peaks above base.

02185200 Little River near Walhalla, S.C.

LOCATION.--Lat 34°50'11", long 82°58'48", Oconee County, on downstream side of bridge on State Highway 11, 0.5 mile downstream from Oconee Creek, 3.5 miles south of Salem, and 6.5 miles northeast of Walhalla.

DRAINAGE AREA.--72.0 sq mi.

PERIOD OF RECORD.--March 1967 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 810 ft (from topographic map).

EXTREMES.--Current year: Maximum discharge, 1,260 cfs Jan. 5 (gage height, 3.37 ft); minimum, 15 cfs Oct. 3-8.
Period of record: Maximum discharge, 14,400 cfs June 4, 1967 (gage height, 12.29 ft); minimum, 15 cfs July 11-20, Oct. 3-8 1970.

REMARKS.--Records good.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18	160	98	89	100	188	188	121	95	105	169	177
2	17	127	98	88	95	305	188	118	95	115	182	141
3	17	105	96	88	120	445	177	115	95	113	371	111
4	15	99	94	191	230	336	166	113	98	98	248	107
5	15	90	92	595	310	252	159	105	110	103	216	104
6	15	86	92	219	270	232	200	95	98	180	294	102
7	15	83	75	162	280	220	204	76	93	232	312	102
8	15	81	69	141	350	177	180	124	98	359	290	97
9	28	78	70	139	270	163	170	103	98	212	219	93
10	35	138	69	128	200	166	163	95	90	345	196	89
11	49	108	69	121	180	163	156	103	90	305	224	118
12	35	99	73	105	230	156	149	152	88	204	365	123
13	29	92	71	100	320	149	145	240	86	184	208	98
14	29	92	68	99	250	149	139	170	86	152	171	90
15	30	93	68	132	210	159	136	196	82	133	151	88
16	47	86	123	100	180	152	136	244	78	124	138	86
17	56	83	106	122	160	142	133	180	82	110	136	109
18	54	82	89	190	160	136	130	163	220	106	128	167
19	54	82	84	183	170	177	127	142	139	112	122	132
20	133	103	82	178	200	163	127	130	113	114	111	107
21	162	98	85	177	350	149	130	127	105	105	99	111
22	100	90	82	170	540	142	127	118	332	99	116	107
23	84	87	126	160	300	136	163	108	208	94	118	131
24	77	83	114	250	240	130	152	95	127	94	89	88
25	80	80	100	220	200	139	136	93	84	97	107	170
26	74	80	91	180	236	166	130	105	103	103	102	139
27	70	78	86	150	232	173	127	100	95	103	100	124
28	67	78	83	140	204	216	145	100	133	102	96	130
29	207	77	85	130	------	292	130	105	108	132	93	124
30	579	76	86	120	------	236	124	103	110	128	91	108
31	254	------	91	120	------	204	------	100	------	191	111	------
TOTAL	2,460	2,794	2,715	4,987	6,587	6,013	4,537	3,939	3,439	4,654	5,373	3,473
MEAN	79.4	93.1	87.6	161	235	194	151	127	115	150	173	116
MAX	579	160	126	595	540	445	204	244	332	359	371	177
MIN	15	76	68	88	95	130	124	76	78	94	89	86
CFSM	1.10	1.29	1.22	2.24	3.26	2.69	2.10	1.76	1.60	2.08	2.40	1.61
IN.	1.27	1.44	1.40	2.58	3.40	3.11	2.34	2.04	1.78	2.40	2.78	1.79

CAL YR 1970 TOTAL 34,516 MEAN 94.6 MAX 579 MIN 15 CFSM 1.31 IN 17.83
WTR YR 1971 TOTAL 50,971 MEAN 140 MAX 595 MIN 15 CFSM 1.94 IN 26.34

PEAK DISCHARGE (BASE, 1,500 CFS).--No peak above base.

02187250 Hartwell Lake near Hartwell, Ga.
(Formerly published as Hartwell Reservoir near Hartwell, Ga.)

LOCATION.--Lat 34°21'25", long 82°49'20", Hart County (Ga.) - Anderson County (S.C.), Ga.-S.C. State line, in right spillway elevator tower of dam on Savannah River, 0.9 mile upstream from Big Generostee Creek, 6.4 miles east of Hartwell, and at mile 305.

DRAINAGE AREA.--2,088 sq mi.

PERIOD OF RECORD.--October 1959 to September 1961 (elevations and contents at end of month), October 1961 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1961, recording or nonrecording gage at several sites near dam at same datum.

EXTREMES.--Current year: Maximum elevation, 660.97 ft May 17; minimum, 647.37 ft Dec. 31.
Period of record: Maximum elevation, 665.47 ft Apr. 8, 1964; minimum, 626.70 ft Oct. 16, 1961.

REMARKS.--Lake is formed by concrete dam with earth embankments at each end; dam completed in 1961. Storage began in February 1961. Usable capacity, 74,430,000,000 cu ft between elevations 625.0 ft (normal limit of drawdown) and 665 ft (top of spillway gates). Dead storage below 625.0 ft, 49,400,000,000 cu ft. Figures given herein represent usable contents. Elevation of spillway crest, 630.0 ft. Water is used for flood control, generation of power, and in the interest of navigation below Augusta.

Capacity table (elevation, in feet, and usable contents, in billions of cubic feet)
(Computed from table prepared by Corps of Engineers)

645.0	29.82
650.0	39.42
655.0	50.02
660.0	61.66
665.0	74.43

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	648.75	648.60	648.13	647.44	649.27	653.20	658.87	660.40	660.01	660.56	660.31	659.50
2	648.66	648.58	648.19	647.53	648.97	653.60	658.93	660.46	660.00	660.67	660.40	659.46
3	648.59	648.52	648.20	647.59	648.74	654.27	659.20	660.36	659.86	660.69	660.48	659.39
4	648.59	648.42	648.21	647.68	648.96	654.48	659.27	660.24	659.94	660.71	660.58	659.39
5	648.60	648.35	648.25	647.91	649.39	654.68	659.35	660.18	659.99	660.81	660.69	659.40
6	648.58	648.21	648.27	647.84	649.69	655.00	659.43	660.12	660.01	660.72	660.62	659.44
7	648.57	648.24	648.23	647.86	650.18	655.07	659.40	660.02	660.22	660.56	660.70	659.39
8	648.59	648.28	648.21	647.87	650.43	655.02	659.40	660.10	660.27	660.39	660.79	659.29
9	648.51	648.17	648.15	647.99	650.22	655.22	659.44	660.14	660.20	660.12	660.68	659.19
10	648.51	648.20	648.10	648.03	650.20	655.42	659.53	660.16	660.20	660.17	660.64	658.97
11	648.57	648.16	648.03	648.04	650.30	655.55	659.59	660.15	660.08	660.22	660.55	659.01
12	648.36	648.12	648.10	648.12	650.40	655.75	659.64	660.33	660.16	660.20	660.49	659.01
13	648.32	648.08	648.12	648.09	650.60	655.93	659.77	660.47	660.21	660.13	660.22	658.90
14	648.19	648.13	647.92	648.13	650.75	656.00	659.78	660.50	660.18	660.02	660.26	658.80
15	648.17	648.19	647.80	648.23	650.86	656.30	659.82	660.81	660.14	660.03	660.31	658.82
16	648.17	648.22	647.88	648.34	650.95	656.53	659.95	660.95	660.21	659.90	660.22	658.89
17	648.16	648.22	647.76	648.51	651.05	656.66	660.04	660.89	660.25	659.91	660.13	658.86
18	648.18	648.14	647.63	648.52	651.15	656.81	660.12	660.81	660.20	659.93	660.06	658.96
19	648.20	648.11	647.70	648.37	651.24	656.87	660.10	660.69	660.23	659.91	659.99	658.99
20	648.23	648.19	647.76	648.15	651.41	656.93	660.12	660.58	660.30	659.93	659.90	659.03
21	648.20	648.23	647.63	648.03	651.58	657.01	660.15	660.43	660.22	659.96	659.91	658.90
22	648.13	648.30	647.62	648.03	652.03	657.15	660.17	660.49	660.13	659.93	659.95	658.76
23	648.03	648.23	647.71	648.30	652.32	657.25	660.30	660.50	660.10	659.91	659.88	658.72
24	648.10	648.07	647.73	648.52	652.53	657.30	660.38	660.38	659.98	659.99	659.78	658.66
25	648.18	647.97	647.78	648.79	652.60	657.55	660.44	660.27	660.09	660.10	659.70	658.71
26	648.18	648.01	647.82	649.12	652.75	657.61	660.38	660.20	660.10	660.05	659.62	658.74
27	648.03	648.02	647.86	648.88	652.90	657.82	660.37	660.11	660.11	659.99	659.53	658.55
28	647.88	648.06	647.64	648.73	653.07	658.11	660.35	660.05	660.31	659.98	659.55	658.47
29	648.11	648.09	647.52	648.75	-------	658.50	660.40	660.10	660.40	659.92	659.55	658.37
30	648.33	648.11	647.48	649.02	------	658.70	660.31	660.13	660.47	659.92	659.50	658.18
31	648.50	------	647.43	649.32	------	658.77	------	660.08	------	660.14	659.49	------
(†)	36.44	35.68	34.37	38.06	45.81	58.70	62.42	61.86	62.82	62.00	60.43	57.30
(‡)	-205	-293	-489	+1,378	+3,204	+4,813	+1,435	-209	+370	-306	-586	-1,208
MAX	648.75	648.60	648.27	649.32	653.07	658.77	660.44	660.95	660.47	660.81	660.79	659.50
MIN	647.88	647.97	647.43	647.44	648.74	653.20	658.87	660.02	659.86	659.90	659.49	658.18

CAL YR 1970 ‡ -598 MAX 660.89 MIN 647.43
WTR YR 1971 ‡ +644 MAX 660.95 MIN 647.43

† Contents, in billions of cubic feet, at end of month.
‡ Change in contents, equivalent in cubic feet per second.

02187500 Savannah River near Iva, S. C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, on left bank at downstream side of bridge on State Highway 184, 0.5 mile upstream from Little Generostee Creek, 5.8 miles southwest of Iva, and at mile 296.5.

DRAINAGE AREA.--2,231 sq mi.

PERIOD OF RECORD.--October 1949 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 432.26 ft above mean sea level (levels by Corps of Engineers).

AVERAGE DISCHARGE.--22 years, 4,136 cfs (25.18 inches per year).

EXTREMES.--Current year: Maximum discharge, 31,300 cfs Mar. 3 (gage height, 8.96 ft); minimum, 93 cfs Oct. 5, 8; minimum daily, 100 cfs Oct. 4.

Period of record: Maximum discharge, 54,400 cfs Mar. 12, 1952 (gage height, 12.74 ft); minimum, 75 cfs Oct. 24, 1961; minimum daily, 78 cfs Oct. 23, 24, 1961.

REMARKS.--Records good. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see Sta 02187250). Records of water temperatures are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1,110	201	671	514	6,490	838	1,670	501	3,040	1,830	566	2,640
2	3,160	2,450	679	160	9,710	2,150	4,620	198	3,020	264	3,240	2,640
3	529	2,800	690	152	8,020	13,200	753	3,680	6,250	325	3,250	5,120
4	100	3,140	686	2,400	2,480	5,970	243	4,130	2,830	322	4,370	675
5	309	3,230	324	2,440	1,900	1,410	2,110	4,030	271	947	3,510	311
6	888	4,400	129	4,520	432	359	2,940	5,090	168	7,830	5,890	186
7	370	605	2,070	2,650	842	323	4,310	5,780	2,450	6,840	405	5,670
8	381	141	3,110	3,240	5,570	5,090	2,940	326	1,570	7,140	374	5,640
9	2,990	2,830	2,450	770	9,480	1,900	2,470	210	3,570	10,000	6,180	6,130
10	483	2,760	2,460	213	4,650	263	538	1,470	1,850	1,070	6,200	6,270
11	109	2,450	3,100	2,210	1,670	251	220	2,790	4,940	367	6,170	1,330
12	5,990	2,620	498	1,570	1,580	233	998	2,900	657	2,910	4,200	375
13	2,420	2,570	144	1,640	646	229	2,890	3,480	317	2,630	8,080	3,920
14	4,410	511	4,670	1,210	442	229	3,010	2,980	7,110	5,020	425	4,660
15	2,500	148	5,310	2,210	861	231	3,550	738	3,210	1,780	325	4,470
16	302	1,380	3,820	2,580	858	250	3,640	1,050	269	4,440	4,660	4,290
17	114	2,480	4,570	419	217	214	652	6,310	211	529	4,740	4,760
18	109	2,800	3,560	2,870	200	206	206	6,350	4,700	240	3,610	375
19	1,350	1,810	486	6,170	194	4,210	2,350	6,030	530	3,230	3,480	207
20	2,120	595	157	7,050	224	2,030	2,960	6,050	305	1,840	3,740	3,880
21	2,720	329	3,550	4,860	243	243	2,570	6,000	7,100	484	439	5,070
22	2,800	142	2,340	1,970	472	211	2,730	540	4,020	1,460	321	5,140
23	2,800	3,780	1,960	343	661	284	3,840	204	2,760	1,460	3,380	2,030
24	448	5,680	1,960	196	318	1,310	643	5,820	6,980	306	3,530	4,080
25	162	3,790	332	1,080	257	2,380	232	6,020	4,350	400	3,510	224
26	2,440	334	142	990	2,750	4,110	3,780	5,210	395	3,440	3,520	152
27	3,130	138	138	8,820	426	457	3,580	3,970	292	3,440	3,500	8,900
28	3,750	136	5,310	6,140	239	558	4,510	3,770	5,920	3,440	435	6,470
29	3,920	134	5,260	1,660	------	1,610	2,930	318	3,040	3,410	301	4,580
30	3,200	807	3,230	349	------	3,030	3,660	196	1,840	3,440	2,550	6,800
31	471	------	4,010	426	------	1,770	------	2,890	------	549	2,630	------
TOTAL	55,585	55,191	67,816	71,822	61,832	55,549	71,545	99,031	83,965	81,383	97,531	106,995
MEAN	1,793	1,840	2,188	2,317	2,208	1,792	2,385	3,195	2,799	2,625	3,146	3,567
MAX	5,990	5,680	5,310	8,820	9,710	13,200	4,620	6,350	7,110	10,000	8,080	8,900
MIN	100	134	129	152	194	206	206	196	168	240	301	152

CAL YR 1970 TOTAL 1,044,686 MEAN 2,862 MAX 12,600 MIN 100
WTR YR 1971 TOTAL 908,245 MEAN 2,488 MAX 13,200 MIN 100

02189000 Savannah River near Calhoun Falls, S. C.

LOCATION.--Lat 34°04'15", long 82°38'30", Abbeville County, on left bank 150 ft upstream from bridge on State Highway 72, 1 mile downstream from Seaboard Coast Line Railroad bridge, 1.5 miles downstream from Rocky River, 3 miles southwest of Calhoun Falls, and at mile 279.7.

DRAINAGE AREA.--2,876 sq mi.

PERIOD OF RECORD.--August 1896 to August 1898, March 1899 to December 1900, January to December 1903, March 1930 to July 1932, April 1938 to current year. Published as "at Calhoun Falls" 1897-99. Records for January 1901 to December 1902, published in WSP 65, 75, and 83 have been found unreliable, and should not be used. Gage-height records collected at original site 1 mile upstream during 1899-1928 and at present site since 1928 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 363.53 ft above mean sea level. Prior to July 1, 1928, nonrecording gage at railroad bridge 1 mile upstream at datum about 369.0 ft above mean sea level.

AVERAGE DISCHARGE.--36 years (1896-97, 1899-1900, 1930-31, 1938-71), 5,046 cfs (23.83 inches per year).

EXTREMES.--Current year: Maximum discharge, 45,600 cfs Mar. 4 (gage height, 6.97 ft); minimum daily, 443 cfs Oct. 5.

Period of record: Maximum discharge, 96,500 cfs Aug. 13, 1940 (gage height, 11.52 ft), from rating curve above 50,000 cfs by velocity-area studies; minimum daily, 300 cfs Nov. 5, 1961.

The flood of Aug. 25, 1908 reached a stage of 28.2 ft at original site and datum, from records of National Weather Service (discharge, 144,000 cfs, from rating curve extended above 14,000 cfs.

REMARKS.--Records fair. Flow regulated by powerplants above station, by Burton and Mathis Reservoirs, and by Hartwell Lake (see Sta 02187250).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	478	1,230	1,640	4,000	6,250	1,880	3,090	2,780	4,360	2,650	1,740	3,840
2	1,820	916	1,390	955	11,000	9,280	4,960	1,080	4,320	2,350	3,600	3,020
3	4,200	4,000	1,380	830	10,400	27,300	4,560	3,300	8,080	1,130	4,480	4,680
4	650	4,040	1,390	1,580	7,400	22,400	1,260	6,250	4,640	1,050	6,050	2,550
5	443	4,600	1,380	5,700	4,680	5,750	1,760	4,640	2,330	968	6,950	1,050
6	1,860	6,150	746	6,850	2,470	2,500	4,160	5,500	854	7,500	8,440	955
7	1,300	4,280	570	3,920	6,850	2,050	7,300	8,260	1,620	9,400	3,190	2,220
8	547	818	3,720	4,160	7,850	6,100	3,370	2,810	2,730	9,280	1,360	5,240
9	3,090	929	4,000	5,400	13,700	4,840	3,760	994	3,920	11,800	5,550	8,800
10	3,050	4,400	3,480	1,510	9,820	1,900	2,810	1,840	3,330	4,800	8,200	9,000
11	604	4,120	3,480	1,460	5,080	1,540	1,120	2,700	4,840	1,440	8,080	9,000
12	4,880	3,720	4,360	4,520	3,160	1,480	1,080	3,680	4,720	2,100	5,900	2,000
13	4,200	4,040	806	1,980	2,080	1,450	3,230	6,200	1,050	3,560	9,580	1,900
14	4,560	4,040	2,100	2,840	2,300	1,390	4,040	4,920	6,700	6,500	4,080	7,800
15	4,320	830	7,100	2,450	1,980	1,410	4,560	4,960	5,650	3,760	1,100	7,600
16	2,380	639	8,320	4,520	2,120	1,410	4,880	5,850	2,230	5,200	4,080	7,400
17	570	2,810	6,250	2,580	1,570	1,320	3,480	7,750	878	2,580	6,550	7,200
18	512	3,720	5,280	1,520	1,270	1,270	1,030	8,680	3,800	1,010	5,650	7,400
19	501	3,370	4,200	6,900	1,240	4,320	1,920	8,980	3,330	3,260	4,600	1,600
20	2,250	2,730	955	10,700	1,330	4,200	3,800	8,260	1,030	2,400	4,720	1,500
21	3,160	1,290	1,400	7,700	1,440	1,590	3,960	8,140	6,100	2,150	3,020	3,000
22	3,680	806	5,850	4,080	2,600	1,080	3,720	4,000	6,900	1,440	1,030	8,600
23	3,680	639	2,930	1,820	4,120	1,090	5,200	1,060	4,200	2,130	2,700	8,800
24	3,120	7,750	2,870	1,060	2,200	1,840	4,120	6,100	7,050	1,840	3,330	8,200
25	968	7,500	2,020	1,620	1,800	3,120	1,410	8,140	7,600	1,090	3,480	8,400
26	1,570	2,630	866	2,750	3,560	6,850	2,990	6,900	2,330	2,780	3,480	700
27	3,520	818	758	8,320	2,900	2,680	5,240	5,450	1,130	4,680	3,440	690
28	4,320	746	2,930	10,200	1,660	2,180	6,450	5,240	5,550	4,640	2,080	9,500
29	5,200	698	8,080	5,120	------	2,280	5,400	2,730	4,720	4,720	968	9,000
30	13,100	593	5,080	1,720	------	4,960	4,520	916	2,870	4,680	1,320	9,200
31	3,600	------	5,200	1,290	------	3,640	------	2,250	------	3,120	3,020	------
TOTAL	88,133	84,852	100,531	120,055	122,830	135,100	109,180	150,360	118,862	116,008	131,768	160,845
MEAN	2,843	2,828	3,243	3,873	4,387	4,358	3,639	4,850	3,962	3,742	4,251	5,362
MAX	13,100	7,750	8,320	10,700	13,700	27,300	7,300	8,980	8,080	11,800	9,580	9,500
MIN	443	593	570	830	1,240	1,080	1,030	916	854	968	968	690

CAL YR 1970 TOTAL 1,425,592 MEAN 3,906 MAX 14,400 MIN 443
WTR YR 1971 TOTAL 1,438,524 MEAN 3,941 MAX 27,300 MIN 443

02194500 Clark Hill Lake near Clarks Hill, S.C.
(Formerly published as Clark Hill Reservoir near Clarks Hill, S.C.)

LOCATION.--Lat 33°39'40", long 82°12'00", Columbia County (Ga.) - McCormick County (S.C.), Ga.-S.C. State line, in left spillway elevator tower of dam on Savannah River, 1.6 miles west of Clarks Hill, 3.7 miles upstream from Kiokee Creek, and at mile 237.7.

DRAINAGE AREA.--6,150 sq mi, approximately.

PERIOD OF RECORD.--October 1951 to September 1952 (elevations and contents at end of month), October 1952 to current year.

GAGE.--Water-stage recorder. Datum of gage is at mean sea level (levels by Corps of Engineers). Prior to Oct. 1, 1952, nonrecording gage at same site and datum.

EXTREMES.--Current year: Maximum elevation, 335.39 ft Mar. 5; minimum, 317.91 ft Dec. 15.
Period of record: Maximum elevation, 336.72 ft Apr. 9, 1964; minimum, 296.48 ft Feb. 1, 1956.

REMARKS.--Lake is formed by concrete dam with earth dam at each end; dam completed in 1952. Storage began in December 1951. Usable capacity, 75,360,000,000 cu ft between elevations 305.0 ft (normal limit of drawdown) and 335.0 ft (top of spillway gates). Dead storage below 305.0 ft, 50,960,000,000 cu ft. Figures given herein represent usable contents. Elevation of spillway crest, 300.0 ft. Water is used for flood control, generation of power, and navigation.

REVISIONS (WATER YEARS).--WSP 1703: 1953.

Capacity table (elevation, in feet, and usable contents, in billions of cubic feet)
(Computed from table prepared by Corps of Engineers)

315.0	18.73
320.0	30.06
325.0	43.12
330.0	58.37
336.0	78.84

ELEVATION, IN FEET, AT 2400, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	323.46	321.98	319.49	319.10	323.20	329.14	330.33	330.29	330.63	329.05	329.03	329.65
2	323.29	321.87	319.33	319.01	323.40	330.74	330.15	330.28	330.49	329.05	329.07	329.73
3	323.24	321.81	319.15	319.00	323.57	333.60	330.15	330.13	330.45	329.13	329.19	329.75
4	323.09	321.75	319.00	319.13	323.70	335.22	330.14	330.13	330.34	329.17	329.27	329.72
5	322.86	321.68	318.90	319.24	323.90	335.33	330.04	330.05	330.31	329.25	329.56	329.67
6	322.64	321.66	318.79	319.55	324.07	334.67	330.11	330.03	330.24	329.13	329.90	329.53
7	322.44	321.64	318.57	319.60	325.30	334.10	330.15	330.05	330.11	329.05	330.05	329.47
8	322.22	321.57	318.46	319.78	326.48	333.54	330.13	330.07	330.05	329.20	330.07	329.47
9	322.10	321.36	318.40	320.10	327.81	332.87	330.11	330.04	329.95	329.33	330.07	329.48
10	322.08	321.46	318.25	320.25	327.63	332.20	330.11	329.93	329.92	329.40	330.11	329.50
11	321.96	321.47	318.18	320.25	327.77	331.70	330.08	329.83	329.81	329.37	330.22	329.48
12	321.86	321.44	318.20	320.33	327.82	331.25	330.00	329.96	329.85	329.40	330.22	329.45
13	321.78	321.39	318.13	320.30	327.90	330.96	329.91	330.21	329.80	329.37	330.32	329.32
14	321.66	321.41	317.95	320.29	327.97	330.80	329.87	330.29	329.64	329.40	330.33	329.23
15	321.62	321.35	317.95	320.68	327.94	330.54	329.82	330.95	329.61	329.34	330.27	329.23
16	321.52	321.15	318.72	320.88	328.00	330.25	329.80	331.55	329.48	329.31	330.54	329.20
17	321.34	321.04	319.11	321.03	327.98	329.90	329.77	331.90	329.45	329.26	330.60	329.28
18	321.22	320.93	319.29	320.98	327.90	329.63	329.77	332.01	329.43	329.20	330.55	329.50
19	320.99	320.86	319.28	321.07	327.80	329.57	329.68	331.97	329.40	329.23	330.42	329.53
20	320.97	320.79	319.33	321.17	327.86	329.48	329.68	331.84	329.37	329.17	330.34	329.46
21	320.84	320.66	319.25	321.27	327.98	329.43	329.65	331.65	329.35	329.10	330.35	329.45
22	320.76	320.59	319.29	321.28	328.23	329.40	329.63	331.61	329.37	329.07	330.30	329.54
23	320.66	320.39	319.27	321.25	328.55	329.34	329.90	331.50	329.30	329.18	330.18	329.52
24	320.59	320.28	319.20	321.41	328.68	329.25	330.15	331.32	329.30	329.26	330.12	329.44
25	320.57	320.34	319.23	321.80	328.70	329.62	330.23	331.31	329.33	329.29	330.05	329.45
26	320.40	320.35	319.00	322.48	328.77	330.45	330.18	331.24	329.25	329.38	329.94	329.35
27	320.30	320.07	318.93	322.69	328.94	330.75	330.23	331.13	329.13	329.40	329.90	329.34
28	320.19	319.92	318.80	323.12	329.03	330.92	330.38	331.07	329.22	329.44	329.87	329.40
29	320.24	319.84	318.92	323.17	-------	330.95	330.37	331.06	329.15	329.40	329.80	329.36
30	321.31	319.63	319.08	323.10	------	330.96	330.35	330.99	329.11	329.38	329.65	329.38
31	321.81	------	319.10	323.16	------	330.69	------	330.77	------	329.15	329.60	------
(†)	34.79	29.22	28.02	38.31	55.41	60.71	59.56	60.99	55.66	55.78	57.15	56.48
(‡)	-1,833	-2,149	-448	+3,842	+7,068	+1,979	-444	+534	-2,056	+45	+512	-258
MAX	323.46	321.98	319.49	323.17	329.03	335.33	330.38	332.01	330.63	329.44	330.60	329.75
MIN	320.19	319.63	317.95	319.00	323.20	329.14	329.63	329.83	329.11	329.05	329.03	329.20

CAL YR 1970 ‡ -417 MAX 329.95 MIN 317.95
WTR YR 1971 ‡ +532 MAX 335.33 MIN 317.95

† Contents, in billions of cubic feet, at end of month.
‡ Change in contents, equivalent in cubic feet per second.

02196000 Stevens Creek near Modoc, S.C.

LOCATION.--Lat 33°43'45", long 82°10'55", Edgefield County, on left bank at bridge on State Highway 23, 1.4 miles east of Modoc, and 3.2 miles downstream from Turkey Creek.

DRAINAGE AREA.--545 sq mi.

PERIOD OF RECORD.--November 1929 to September 1931, February 1940 to current year. Monthly discharge only for some periods, published in WSP 1303.

GAGE.--Water-stage recorder. Datum of gage is 197.34 ft above mean sea level (levels by Southeastern Power Administration). Oct. 15, 1929, to Sept. 30, 1931, nonrecording gage at site 1,100 ft upstream at different datum.

AVERAGE DISCHARGE.--32 years (1930-31, 1940-71), 401 cfs (9.99 inches per year).

EXTREMES.--Current year: Maximum discharge, 20,100 cfs Mar. 3, 4 (gage height, 32.47 ft); minimum daily, 2.1 cfs Oct. 13.

Period of record: Maximum discharge, 35,100 cfs Aug. 14, 1940; maximum gage height, 41.08 ft Aug. 14, 1940; no flow Sept. 14, 15, Sept. 24 to Nov. 16, Nov. 22, 1954.

REMARKS.--Records fair. Slight diurnal fluctuation during low flow caused by small mills above station.

REVISIONS (WATER YEARS).--WSP 1032: Drainage area. WSP 1533: 1954(m).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	5.5	1,480	52	667	815	693	574	288	101	68	833	350
2	5.5	373	50	428	435	8,590	493	248	89	103	295	520
3	5.5	240	52	305	345	18,700	720	330	77	225	190	193
4	5.0	173	49	248	310	15,300	565	260	68	134	145	99
5	5.0	132	46	745	418	3,450	438	203	62	85	110	75
6	5.0	106	45	785	930	1,020	778	178	58	156	150	74
7	5.0	92	49	413	3,360	795	1,190	161	55	263	215	65
8	4.5	82	44	303	8,590	643	730	154	50	185	134	58
9	4.5	75	38	1,390	4,530	517	490	170	45	117	119	52
10	4.0	103	43	1,360	1,250	455	408	154	46	134	117	49
11	3.0	453	41	685	700	430	360	136	91	335	89	47
12	2.5	288	45	443	556	400	323	215	74	117	72	154
13	2.1	168	46	350	735	370	383	3,000	61	80	84	156
14	3.0	128	50	298	943	350	280	878	55	67	67	82
15	4.0	112	44	2,520	589	345	258	1,850	64	80	55	56
16	5.0	130	2,660	2,590	473	430	243	8,880	70	80	529	47
17	7.0	119	4,600	933	410	423	230	2,930	70	96	3,470	43
18	10	92	988	538	368	325	218	753	128	75	1,620	82
19	14	85	418	408	335	295	205	418	143	67	418	183
20	18	80	318	328	443	335	199	318	96	103	395	483
21	16	75	295	280	808	320	198	255	75	345	268	248
22	34	74	263	258	738	278	448	208	99	183	165	150
23	35	72	220	255	1,180	305	3,050	178	84	121	125	158
24	31	62	213	383	643	338	1,130	158	87	84	103	152
25	43	58	208	3,070	438	418	483	143	70	72	87	96
26	143	57	180	7,280	380	9,740	375	132	58	265	79	79
27	103	52	156	2,250	840	4,520	318	123	50	230	68	70
28	52	54	143	778	790	1,290	375	110	82	141	64	64
29	40	54	141	535	------	1,100	658	110	183	175	57	56
30	3,910	91	175	438	------	1,600	398	114	92	175	54	52
31	7,170	------	325	556	------	843	------	114	------	388	49	------
TOTAL	11,695.1	5,160	11,997	31,820	32,352	74,618	15,437	23,169	2,383	4,749	10,226	3,993
MEAN	377.3	172	387	1,026	1,155	2,407	548	747	79.4	153	330	133
MAX	7,170	1,480	4,600	7,280	8,590	18,700	3,050	8,880	183	388	3,470	520
MIN	2.1	52	38	248	310	278	199	110	45	67	49	43
CFSM	.69	.32	.71	1.88	2.12	4.42	1.01	1.37	.15	.28	.61	.24
IN.	.80	.35	.82	2.17	2.21	5.09	1.12	1.58	.16	.32	.70	.27

CAL YR 1970 TOTAL 98,905.0 MEAN 271 MAX 10,000 MIN 2.1 CFSM .50 IN 6.75
WTR YR 1971 TOTAL 228,599.1 MEAN 626 MAX 18,700 MIN 2.1 CFSM 1.15 IN 15.60

PEAK DISCHARGE (BASE, 6,000 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
10-31	1000	22.34	8,710	3-03	2400	32.47	20,100
12-17	0500	20.38	7,100	3-26	2030	25.09	11,200
1-26	1330	22.11	8,500	5-16	1130	23.81	10,000
2-08	0800	23.77	9,990				

02197000 Savannah River at Augusta, Ga.

LOCATION.--Lat 33°22'25", long 81°56'35", Richmond County, at New Savannah Bluff lock and dam, 0.2 mile upstream from Butler Creek, 12 miles downstream from Augusta, and at mile 203.

DRAINAGE AREA.--7,508 sq mi, including that of Butler Creek.

PERIOD OF RECORD.--October 1883 to December 1891, January 1896 to December 1906, January 1925 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at site of Fifth Street gage from 1875 to 1952 and at New Savannah Bluff lock and dam sites since 1937 are contained in reports of National Weather Service.

GAGE.--Water-stage recorder. Datum of gage is 96.58 ft above mean sea level (Corps of Engineers bench mark). Oct. 1, 1883, to Dec. 31, 1891, Jan. 1, 1896, to Dec. 31, 1906, Jan. 1, 1925, to Sept. 30, 1932, nonrecording or recording gage at Fifth Street Bridge at datum 102.06 ft above mean sea level (levels by Southeastern Engineering Co.). Oct. 1, 1932, to Sept. 30, 1936, recording gage at Thirteenth Street Bridge at datum 104.56 ft above mean sea level (levels by Corps of Engineers). Oct. 1, 1936, to Nov. 10, 1948, recording gage at site 0.2 mile downstream from present site and at present datum.

AVERAGE DISCHARGE.--64 years, 10,130 cfs (18.32 inches per year).

EXTREMES.--Current year: Maximum discharge, 63,900 cfs Mar. 5 (gage height, 23.30 ft); minimum daily, 4,460 cfs Jan. 30.

Period of record: Maximum discharge, 350,000 cfs Oct. 3, 1929; maximum gage height, 46.3 ft Sept. 27, 1929 (at site and datum then in use); minimum discharge, 648 cfs Sept. 24, 1939, from rating curve extended below 1,400 cfs; minimum daily, 1,040 cfs Oct. 2, 1927.

Maximum flood known occurred in 1796, discharge 360,000 cfs (gage height, 40 ft, marked by local residents, at site and datum of Fifth Street gage) by conveyance-slope study.

REMARKS.--Records good. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500) and by other powerplants above station.

REVISIONS (WATER YEARS).--WSP 1303: 1927-39 (monthly runoff). WSP 1433: 1888, 1896-99, 1902-03, 1906-07, and 1932 (M).

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	6,450	13,900	5,880	6,800	6,710	6,420	19,200	8,110	8,740	7,390	8,080	7,370
2	6,510	8,870	5,830	6,570	7,280	10,300	19,300	7,110	9,380	8,280	7,840	7,570
3	6,410	5,420	5,840	6,140	5,930	32,900	15,000	7,130	9,860	7,720	7,430	7,440
4	6,560	5,810	5,810	6,150	6,400	41,100	9,220	7,980	10,100	7,090	7,220	7,700
5	6,100	6,280	5,620	6,450	6,230	59,700	6,960	8,390	8,160	6,810	7,620	7,340
6	5,920	6,100	5,730	7,040	6,040	53,800	7,180	8,220	6,900	7,030	7,970	7,260
7	6,300	5,950	5,920	6,690	6,420	39,900	11,400	7,230	6,300	7,450	7,650	7,250
8	6,530	5,960	5,780	6,240	10,400	34,700	9,510	7,010	6,310	7,230	7,330	7,180
9	6,600	5,940	5,780	7,110	18,000	34,800	7,690	6,510	6,320	7,330	6,620	7,140
10	6,620	5,910	5,740	7,150	14,000	34,600	7,770	6,310	6,690	7,280	6,710	7,210
11	6,310	6,040	5,850	7,610	8,190	31,700	6,670	6,250	6,890	7,570	8,360	7,150
12	5,980	6,040	5,720	6,760	7,090	26,600	6,740	6,230	6,800	6,860	7,360	7,320
13	5,560	6,010	5,780	6,330	6,790	23,000	6,680	8,380	6,760	6,630	7,210	7,060
14	5,790	5,890	5,700	6,100	6,740	16,000	6,700	10,100	6,490	7,010	7,170	6,850
15	5,740	5,880	5,740	6,660	6,470	13,200	8,070	8,290	9,390	7,150	6,990	7,170
16	5,910	5,820	6,970	9,780	6,400	15,700	8,400	13,100	7,260	7,200	8,090	7,140
17	5,790	5,760	12,300	8,970	6,370	16,400	7,360	19,600	7,230	7,040	14,700	7,220
18	5,750	5,830	14,200	6,550	6,090	14,900	6,240	11,000	8,350	6,850	16,800	7,610
19	5,890	5,800	7,310	7,230	6,050	12,000	6,110	10,600	7,670	6,440	14,900	7,850
20	6,450	5,800	6,680	6,930	6,040	11,100	5,710	14,100	6,960	6,130	12,500	8,110
21	6,470	5,750	6,460	6,850	6,000	8,770	6,120	15,200	6,710	6,790	9,900	7,680
22	6,340	5,750	6,230	6,410	6,250	6,380	6,180	14,900	6,510	7,330	7,770	7,550
23	6,080	5,820	6,180	6,030	6,580	6,110	6,650	8,510	7,090	7,240	7,200	7,360
24	5,770	6,210	6,040	5,980	6,660	6,220	9,290	7,980	7,290	7,220	6,700	7,300
25	6,050	6,770	6,300	6,620	6,330	6,360	9,370	11,500	7,080	7,120	7,190	7,330
26	6,200	5,810	6,570	10,300	6,250	16,900	7,170	10,300	6,860	6,840	7,800	7,140
27	6,000	5,690	6,140	13,000	6,730	25,300	6,820	9,820	6,760	6,680	8,740	6,900
28	5,800	5,960	5,860	10,900	6,340	19,200	6,880	8,560	6,590	7,100	7,280	6,690
29	5,780	5,870	6,020	5,340	------	13,600	8,360	7,330	6,010	7,240	7,230	7,140
30	7,810	5,840	6,160	4,460	------	15,600	11,000	7,120	6,710	9,310	7,120	7,140
31	14,800	------	6,420	6,560	------	15,700	------	7,730	------	9,320	7,130	------
TOTAL	200,270	188,480	202,610	221,710	204,780	668,960	259,750	290,600	220,170	224,680	262,610	219,170
MEAN	6,460	6,283	6,536	7,152	7,314	21,580	8,658	9,374	7,339	7,248	8,471	7,306
MAX	14,800	13,900	14,200	13,000	18,000	59,700	19,300	19,600	10,100	9,320	16,800	8,110
MIN	5,560	5,420	5,620	4,460	5,930	6,110	5,710	6,230	6,010	6,130	6,620	6,690

CAL YR 1970 TOTAL 2,542,850 MEAN 6,967 MAX 23,200 MIN 5,420
WTR YR 1971 TOTAL 3,163,790 MEAN 8,668 MAX 59,700 MIN 4,460

02197300 Upper Three Runs near New Ellenton, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, on downstream side of bridge on U.S. Highway 278, 0.4 mile upstream from Johnson Fork Creek, and 4.6 miles southeast of New Ellenton.

DRAINAGE AREA.--87.0 sq mi.

PERIOD OF RECORD.--June 1966 to current year.

GAGE.--Water-stage recorder. Altitude of gage is 120 ft (from topographic map).

AVERAGE DISCHARGE.--5 years, 103 cfs (16.08 inches per year).

EXTREMES.--Current year: Maximum discharge, 420 cfs Aug. 17 (gage height, 8.00 ft); minimum, 76 cfs Oct. 4.
Period of record: Maximum discharge, that of Aug. 17, 1971; minimum, 66 cfs Sept. 14, 1969.

REMARKS.--Records fair. Records of chemical analyses and suspended sediment loads are published in Part 2 of this report.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	80	96	90	114	94	127	103	120	100	[illegible]	173	125
2	80	92	90	100	91	242	105	110	100	100	121	112
3	79	90	89	96	91	336	105	110	100	124	112	106
4	78	88	88	95	91	369	103	110	100	96	107	104
5	78	87	88	115	96	248	105	110	100	97	107	104
6	78	87	92	99	96	158	119	110	100	108	117	103
7	78	86	91	95	119	143	108	110	100	166	109	100
8	80	85	88	99	155	123	100	100	100	117	112	100
9	96	86	91	146	125	115	99	100	100	100	112	100
10	87	117	90	109	107	112	110	100	100	105	106	106
11	84	121	92	101	102	111	110	100	100	133	105	115
12	82	98	93	97	100	108	110	110	100	108	108	121
13	82	93	88	95	100	106	110	140	100	104	100	105
14	82	92	87	94	97	105	110	130	100	98	98	101
15	87	99	87	130	96	109	110	130	100	94	98	99
16	88	94	192	118	96	108	110	140	100	96	178	99
17	84	95	179	102	96	102	110	120	100	96	382	106
18	82	97	110	98	95	100	110	110	120	91	250	167
19	82	97	100	95	94	103	110	110	150	90	200	263
20	123	96	97	93	97	103	110	110	140	128	121	167
21	132	97	96	93	97	99	110	100	120	162	121	127
22	96	96	93	94	109	95	120	100	110	111	121	121
23	88	94	93	94	120	103	130	100	110	103	116	117
24	86	93	95	102	102	97	180	100	100	100	111	113
25	94	91	91	104	97	103	150	100	96	97	108	110
26	90	96	91	121	100	247	130	100	91	99	110	108
27	86	94	90	103	118	155	130	100	89	107	121	106
28	85	91	90	97	106	121	140	110	89	100	112	105
29	87	93	104	96	------	120	140	110	90	115	112	103
30	109	92	116	95	------	116	130	110	92	274	111	102
31	115	------	128	97	------	106	------	100	------	183	117	------
TOTAL	2,758	2,833	3,109	3,187	2,887	4,390	3,517	3,410	3,097	3,592	4,076	3,515
MEAN	89.0	94.4	100	103	103	142	117	110	103	116	131	117
MAX	132	121	192	146	155	369	180	140	150	274	382	263
MIN	78	85	87	93	91	95	99	100	89	90	98	99
CFSM	1.02	1.09	1.15	1.18	1.18	1.63	1.34	1.26	1.18	1.33	1.51	1.34
IN.	1.18	1.21	1.33	1.36	1.23	1.88	1.50	1.46	1.32	1.54	1.74	1.50

CAL YR 1970 TOTAL 35,758 MEAN 98.0 MAX 248 MIN 78 CFSM 1.13 IN 15.29
WTR YR 1971 TOTAL 40,371 MEAN 111 MAX 382 MIN 78 CFSM 1.28 IN 17.26

NOTE.--No gage-height record Apr. 10 to June 24.

PEAK DISCHARGE (BASE, 250 CFS)

DATE	TIME	G. H.	DISCHARGE	DATE	TIME	G. H.	DISCHARGE
12-16	1800	6.47	267	7-30	0900	7.08	328
3-04	1000	7.71	391	8-17	0800	8.00	420
3-26	0500	6.52	272	9-19	1300	6.59	279

02198500 Savannah River near Clyo, Ga.

LOCATION.--Lat 32°31'30", long 81°15'45", Effingham County (Ga.) - Jasper County (S.C.), Ga.-S.C. State line, on downstream side of center pier of drawspan of bridge on Seaboard Coast Line Railroad, 3 miles north of Clyo, and at mile 65.

DRAINAGE AREA.--9,850 sq mi, approximately.

PERIOD OF RECORD.--October 1929 to September 1933, October 1937 to current year. Monthly discharge only for some periods, published in WSP 1303. Gage-height records collected at same site 1921-43 by National Weather Service (unpublished prior to 1933).

GAGE.--Water-stage recorder. Datum of gage is 13.41 ft above mean sea level. Prior to Jan. 31, 1933, nonrecording gage at same site and at datum 4.00 ft higher. Jan. 31, 1933, to June 12, 1945, nonrecording gage at same site and datum.

AVERAGE DISCHARGE.--38 years, 11,730 cfs (16.17 inches per year).

EXTREMES.--Current year: Maximum discharge, 54,500 cfs Mar. 6; (gage height, 18.11 ft); minimum daily, 6,720 cfs Oct. 4.
Period of record: Maximum discharge, 270,000 cfs Oct. 6, 1929 (gage height, 29.7 ft, present datum, from information by Corps of Engineers), from rating curve extended above 120,000 cfs; minimum daily, 1,950 cfs Sept. 27, 1931.

REMARKS.--Records good except for period of no gage-height record, which is poor. Flow regulated by Hartwell Lake (see sta 02187250), by Clark Hill Lake (see sta 02194500), and by other powerplants above station. Records of chemical analyses are published in Part 2 of this report.

REVISIONS (WATER YEARS).--WSP 1112: 1940.

DISCHARGE, IN CUBIC FEET PER SECOND, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	7,100	10,800	7,410	9,080	9,390	14,700	17,400	11,700	11,000	8,380	10,700	10,700
2	6,910	11,000	7,430	9,200	9,320	15,700	18,700	12,300	10,300	8,220	12,200	11,100
3	6,890	11,300	7,430	9,100	9,480	16,800	20,400	12,800	10,400	8,680	12,500	11,500
4	6,720	11,300	7,460	9,000	9,700	18,300	22,100	12,500	10,800	9,630	11,800	11,500
5	6,890	11,000	7,440	9,200	10,000	28,000	23,000	11,500	11,200	10,300	10,800	11,200
6	7,250	10,600	7,310	9,700	10,000	44,200	23,300	11,000	11,500	10,300	10,100	10,800
7	7,110	9,600	7,240	10,000	10,100	52,900	23,200	11,000	11,300	10,000	9,970	10,400
8	7,920	9,000	7,330	9,600	10,500	48,500	22,900	11,200	10,100	9,930	10,100	9,990
9	7,660	8,500	7,290	10,200	12,800	45,500	22,000	11,100	9,030	10,200	10,200	9,700
10	7,470	8,100	7,240	11,600	15,000	43,000	20,500	10,500	8,550	10,100	9,980	9,460
11	7,440	8,000	7,320	12,700	16,000	40,100	18,900	9,860	8,470	10,000	9,630	9,280
12	7,630	7,900	7,340	13,100	15,800	36,800	17,000	9,510	8,730	10,100	9,360	9,250
13	7,810	7,800	7,340	11,600	14,600	33,600	15,100	9,370	9,060	10,300	9,750	9,280
14	7,600	7,800	7,480	9,990	12,200	30,600	13,900	9,420	9,030	9,960	10,000	9,360
15	7,400	7,800	7,780	9,600	11,300	28,200	12,300	10,100	8,880	9,420	9,730	9,290
16	7,500	7,800	8,760	9,760	10,800	26,100	11,400	11,500	8,770	9,110	9,620	8,970
17	7,700	7,700	11,000	9,560	10,300	24,400	11,300	12,400	9,580	8,960	10,500	8,860
18	7,900	7,580	12,400	9,350	10,000	22,800	11,600	12,900	10,200	8,810	12,300	8,880
19	8,100	7,450	12,900	9,340	9,800	20,900	11,600	13,500	9,880	8,620	13,800	8,910
20	8,200	7,390	11,900	9,490	9,700	19,300	10,900	14,000	10,300	8,460	15,000	9,090
21	8,200	7,310	10,300	10,800	9,600	18,800	10,100	14,600	10,400	8,360	15,800	9,480
22	8,200	7,300	9,330	12,400	9,600	18,100	9,620	14,900	10,100	8,200	16,500	9,860
23	8,100	7,260	8,890	13,800	9,800	17,800	9,560	15,200	9,420	8,360	17,200	9,940
24	8,000	7,260	9,030	14,300	10,000	17,200	10,200	15,500	9,050	8,910	17,700	9,900
25	8,100	7,370	9,170	14,600	10,100	17,000	11,100	15,700	9,100	9,180	17,400	9,870
26	8,100	7,730	9,040	14,600	10,500	16,800	12,300	15,700	9,250	9,090	16,200	9,670
27	8,000	7,740	9,000	13,800	12,000	16,300	13,400	15,200	9,180	8,900	14,300	9,320
28	7,900	7,440	9,420	11,700	14,400	15,100	13,700	14,500	9,010	8,730	12,700	9,070
29	7,800	7,370	9,630	10,500	------	15,100	13,100	14,200	9,060	8,530	12,000	8,970
30	7,800	7,420	9,500	9,940	------	15,700	12,100	13,300	8,900	8,700	11,400	8,760
31	9,800	------	9,220	9,570	------	16,400	------	12,300	------	9,220	10,800	------
TOTAL	239,200	252,620	270,330	337,180	312,790	794,700	462,680	389,260	290,550	285,660	380,040	292,360
MEAN	7,716	8,421	8,720	10,880	11,170	25,640	15,420	12,560	9,685	9,215	12,260	9,745
MAX	9,800	11,300	12,900	14,600	16,000	52,900	23,300	15,700	11,500	10,300	17,700	11,500
MIN	6,720	7,260	7,240	9,000	9,320	14,700	9,560	9,370	8,470	8,200	9,360	8,760

CAL YR 1970 TOTAL 3,218,620 MEAN 8,818 MAX 20,800 MIN 6,720
WTR YR 1971 TOTAL 4,307,370 MEAN 11,800 MAX 52,900 MIN 6,720

NOTE.--No gage-height record Oct. 14 to Nov. 17.

Pee Dee River basin

02130908 LAKE ROBINSON.--Lat 34°23'30", long 80°08'00", Darlington County, at plant intake structure on Black Creek, 2.3 miles upstream from Beaverdam Creek, and 4.7 miles west of Hartsville. Drainage area, 173 sq mi. Records available November 1960 to current year.

Lake used for cooling water at the Robinson Steam-Electric Generating Plant of Carolina Power and Light Co. Put in operation 1960. Records furnished by Carolina Power & Light Co.

Santee River basin

02145900 LAKE WYLIE.--Lat 35°01'15", long 81°00'30", York County, at powerplant on Catawba River, 2 miles upstream from Big Dutchman Creek, 3.5 miles upstream from U. S. Highway 21, 3.5 miles northwest of Fort Mill, and at mile 138.5. Drainage area, 3,020 sq mi approximately. Records available October 1960 to current year. Records of stage August 1925 to September 1960 collected by Duke Power Company. Gage, float gage and indicator in powerhouse. Datum of gage is 469.4 ft above mean sea level (levels by Duke Power Co.).

Lake, used for hydroelectric power development, was first put in operation August 1925. Usable capacity, 2,330,500,000 cu ft between gage heights 95.0 ft and 100 ft. Dead storage, 4,022,000,000 cu ft. Records furnished by Duke Power Co.

02147300 FISHING CREEK RESERVOIR.--Lat 34°36'00", long 80°53'34", Chester County, at Fishing Creek dam, 0.25 mile upstream from State Highway 97, 0.5 mile upstream from Fishing Creek, 2.5 miles north of Great Falls, and at mile 100.5. Drainage area 3,810 sq mi, approximately. Records available October 1960 to current year. Records of stage November 1916 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 317.2 above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was first put in operation November 1916. Usable capacity 667,000,000 cu ft between gage heights 95.0 ft and 100.00 ft. Dead storage 963,100,000 cu ft. Records furnished by Duke Power Co.

02147800 WATEREE RESERVOIR.--Lat 34°20'15", long 80°42'10", Kershaw County, at Wateree Reservoir dam, 0.8 mile upstream from Graunge Quarter Creek, 8.75 miles northwest of Camden, and at mile 73.5. Drainage area 4,750 sq mi, approximately. Records available October 1960 to current year. Records of stage October 1919 to September 1960 collected by Duke Power Co. Gage, float gage and indicator in powerhouse. Datum of gage is 125.5 ft above mean sea level (levels by Duke Power Co.).

Reservoir, used for hydroelectric power, was put in operation 1917. Usable capacity 2,794,000,000 cu ft between gage heights 95.0 ft and 100.0 ft. Dead storage 4,831,600,000 cu ft. Records furnished by Duke Power Co.

MONTH-END GAGE HEIGHTS OR ELEVATIONS, AND CONTENTS, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

Date	Elevation (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)	Gage height (feet)	Contents (million cubic feet)	Change in contents (equivalent in cfs)
	Lake Robinson			Lake Wylie			Fishing Creek Reservoir			Wateree Reservoir		
Sept. 30	220.6	1,310	-	97.7	9,183	-	96.4	1,137	-	97.0	5,902	-
Oct. 31	221.4	1,389	+29.5	96.3	8,488	-259	99.9	1,615	+178	98.7	6,862	+358
Nov. 30	220.9	1,339	-19.3	97.1	8,881	+151	97.6	1,293	-124	96.6	5,683	-455
Dec. 31	220.9	1,339	-	97.2	8,931	+19	95.2	987	-114	96.8	5,792	+41
CAL YR 1970	-	-	-.3	-	-	+7.9	-	-	-4.8	-	-	+5.2
Jan. 31	221.2	1,369	+11.2	97.5	9,082	+56	98.4	1,402	+155	98.0	6,461	+250
Feb. 28	221.3	1,379	+4.1	96.7	8,683	-165	97.4	1,267	-56	96.4	5,574	-367
Mar. 31	221.6	1,410	+11.6	97.5	9,082	+149	96.3	1,124	-53	97.2	6,012	+164
Apr. 30	221.3	1,379	-11.6	96.3	8,488	-229	96.8	1,188	+25	96.5	5,629	-148
May 31	221.0	1,349	-11.2	96.5	8,585	+36	96.5	1,149	-15	97.5	6,179	+205
June 30	221.4	1,389	+15.4	98.6	9,645	-409	95.8	1,061	-34	97.1	5,957	-86
July 31	221.8	1,430	+15.3	96.1	8,391	-468	98.3	1,388	+122	97.8	6,348	+146
Aug. 31	221.5	1,400	-11.2	96.6	8,634	+91	95.4	1,012	-140	96.7	5,738	-228
Sept. 30	221.6	1,410	+3.9	96.5	8,585	-19	95.9	1,074	+24	97.1	5,957	+84
WTR YR 1971	-	-	+3.2	-	-	-19.0	-	-	-2.0	-	-	+1.7

Crest-stage partial-record stations

The following table contains annual maximum discharges for crest-stage stations. A crest-stage gage is a device which will register the peak stage occurring between inspections of the gage. A stage-discharge relation for each gage is developed from discharge measurements made by indirect measurements of peak flow or by current meter. The date of the maximum discharge is not always certain but is usually determined by comparison with nearby continuous-record stations, weather records, or local inquiry. Only the maximum discharge for each water year is given. Information on some lower floods may have been obtained but is not published herein. The years given in the period of record represent water years for which the annual maximum has been determined.

Annual maximum discharge at crest-stage partial-record stations during water year 1971, in South Atlantic Slope basins

Station No.	Station name	Location	Drainage area (sq mi)	Period of record	Annual maximum		
					Date	Gage height (feet)	Discharge (cfs)
		Pee Dee River basin					
02131100	Jefferies Creek above Florence, S.C.	Lat 34°10'40", long 79°48'34", on upstream side of bridge on County Road 29, 2.6 miles southwest of Florence, and 5.0 miles upstream from confluence with Middle Swamp.	30.1	1968-71	1-11-68 10-19-69 3-22-70 3- 3-71	4.86 5.49 6.31 9.02	† † † †
02135500	Black River near Gable, S.C.	Lat 33°54'00", long 80°09'55", near right bank at downstream side of McBride Crossing on U.S. Highway 378, 6.3 miles northwest of Gable, S.C.	401	1951-66‡, 1970-71	3- 5-71	5.82	12,500
		Santee River basin					
02156300	Lawsons Fork Creek at Spartanburg, S.C.	Lat 34°56'53", long 81°52'08", on downstream side of bridge on secondary road, 0.8 mile east of Spartanburg, S.C.	65.2	1966-70‡, 1970-71	10-30-70	11.77	2,120
02157500	Middle Tyger River at Lyman, S.C.	Lat 34°56'35", long 82°08'00", on left bank 200 ft upstream from bridge on State Highway 292 at Lyman, S.C.	68.3	1937-68‡, 1970-71	5-13-71	5.51	1,150
02158000	North Tyger River near Moore, S.C.	Lat 34°48'10", long 81°57'57", on right bank at Ott Shoals, 2.6 miles southeast of Moore, S.C.	162	1933-68‡, 1970-71	10-30-70	3.23	1,580
02158500	South Tyger River near Reidville, S.C.	Lat 34°52'35", long 82°05'10", on left bank 0.4 mile upstream from bridge on State Highway 296, 1.8 miles northeast of Reidville, S.C.	106	1934-68‡, 1970-71	10-30-70	4.72	1,200
02159800	Fairforest Creek at Spartanburg, S.C.	Lat 34°55'36", long 81°56'07" at downstream side of bridge on Burke Street at Spartanburg, S.C.	17.8	1966-70‡,	10-30-70	9.48	1,680
02162095	Smith Branch at Columbia, S.C.	Lat 34°01'49", long 81°02'57", on left downstream wingwall of culvert on Sunset Drive at Columbia, S.C.	6.14	2- 9-68-9-30-68, 1968-69, 1969-70, 1970-71	2- 9-68 4-16-69 3-22-70 6-18-71	0.45 1.60 0.16 4.05	† † † †
02169560	Gills Creek at Boyden Arbor Road at Ft. Jackson, S.C.	Lat 34°02'25", long 80°55'40", at downstream side of bridge on Boyden Arbor Road.	19.3	1970-71	3- 3-71	3.78	†
		Savannah River basin					
02188000	Rocky River near Calhoun Falls, S.C.	Lat 34°08'00", long 82°38'00", on right bank 2,000 ft upstream from Swanigan Mill bridge on county road, 3.25 miles northwest of Calhoun Falls, S.C.	267	1950-66‡, 1970-71	3- 3-71	10.65	8,280
02192500	Little River near Mount Carmel, S.C.	Lat 34°04'13", long 82°30'02", on right bank 480 ft downstream from Island Ford bridge, and 4.5 miles north of Mount Carmel, S.C.	217	1939-70‡, 1970-71	3- 3-71	22.64	9,500

‡ Operated as a continuous-record gaging station.
† Discharge not determined.

PART 2. WATER QUALITY RECORDS

02110750 WACCAMAW RIVER AT CONWAY, S.C.

LOCATION (REVISED).--Lat 33°49'53", long 79°02'37", Horry County, at bridge on U.S. Highway 501 bypass, 1.0 mile southeast of Conway, 1.2 miles downstream from Kingston Lake, and at mile 45.8.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)	COLOR (PLATINUM-COBALT UNITS)
OCT.									
22...	1240	19.6	70	--	6.6	.030	3.3	--	200
22...	1240	19.6	70	6.5	6.3	--	--	255	--
NOV.									
17...	1545	13.5	--	--	--	.000	1.2	--	150
17...	1545	13.5	70	7.0	6.2	--	--	113	--
DEC.									
18...	0945	9.5	--	--	--	.030	.9	--	150
18...	0945	9.5	75	9.1	6.5	--	--	975	--
JAN.									
11...	1705	8.0	--	--	--	.020	.9	--	120
11...	1705	8.0	73	10.4	6.5	--	--	1160	--
FEB.									
22...	1640	13.5	--	--	--	.010	.4	--	120
22...	1640	13.5	63	9.8	6.5	--	--	33	--
MAR.									
23...	1640	14.0	--	--	--	.010	.6	--	140
23...	1640	14.0	50	7.3	5.7	--	--	20	--
APR.									
19...	1700	19.5	--	--	--	.000	.6	--	140
19...	1700	19.5	50	7.2	5.7	--	--	--	--
MAY									
11...	1225	21.0	--	--	--	.000	.7	--	140
11...	1225	21.0	58	6.4	5.8	--	--	128	--
JUNE									
15...	1140	28.5	--	--	--	.040	1.6	--	120
15...	1140	28.5	75	5.4	6.2	--	--	88	--

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
22...	1240	19.6	3	200	70	--	2.0	6.6	11	14	0
22...	1240	19.6	--	--	70	6.5	--	6.3	--	--	--

DATE	TOTAL NON-FILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NON-CARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
CCT.											
22...	9	.030	21	9	9.2	6.4	.2	0	5	410	0
22...	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
CCT.											
22...	10	0	.5	.2	5.4	1.5	--	.11	97	.13	3.3
22...	--	--	--	--	--	--	255	--	--	--	--

02130000 PEE DEE RIVER AT CHERAW, S.C.

LOCATION.--Lat 34°42'28", long 79°52'26", Chesterfield County, at bridge on U.S. Highway 1, 0.1 mile upstream from Seaboard Coast Line Railroad bridge and Huckleberry Creek, 0.5 mile downstream from discontinued gaging station, 0.6 mile northeast of Cheraw, and at mile 160.8.

DRAINAGE AREA.--7,320 sq mi (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
20...	0915	17.7	1790	75	--	7.0	.040	1.4	--
20...	0915	17.7	1790	77	8.5	7.3	--	--	36
NOV.									
17...	1145	14.0	7400	--	--	--	.25	1.5	--
17...	1145	14.0	7400	92	9.8	7.2	--	--	44
DEC.									
18...	1155	9.5	9500	--	--	--	.040	2.0	--
18...	1155	9.5	9500	102	10.6	7.1	--	--	330
JAN.									
11...	1500	7.5	15000	--	--	--	.040	2.6	--
11...	1500	7.5	15000	86	11.5	7.2	--	--	547
FEB.									
22...	1450	10.0	11000	--	--	--	.050	1.8	--
22...	1450	10.0	11000	86	11.4	7.1	--	--	280
MAR.									
23...	1440	12.5	7700	--	--	--	.030	1.2	--
23...	1440	12.5	7700	75	10.1	7.0	--	--	333
APR.									
19...	1510	20.0	1250	--	--	--	.030	.3	--
19...	1510	20.0	1250	70	8.8	6.9	--	--	--
MAY									
11...	1015	18.5	5600	--	--	--	.000	1.2	--
11...	1015	18.5	5600	75	8.6	6.8	--	--	302
JUNE									
15...	0945	25.0	3350	--	--	--	.10	1.7	--
15...	0945	25.0	3350	85	7.5	7.0	--	--	--
JULY									
12...	1435	27.5	1250	--	--	--	--	--	--
12...	1435	27.5	1250	76	7.7	7.0	--	--	117
AUG.									
25...	1000	25.0	10100	--	--	--	--	--	--
25...	1000	25.0	10100	77	7.3	6.7	--	--	460
SEP.									
14...	0845	23.5	5100	94	7.8	7.3	--	--	480

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
20...	0915	17.7	1790	20	40	75	--	1.0	7.0	19	23	0
20...	0915	17.7	1790	--	--	77	8.5	--	7.3	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
20...	35	.040	15	0	7.6	7.2	.1	1	3	36	0	0
20...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
20...	0	.2	.8	5.3	1.2	--	.08	52	251	.07	1.4
20...	--	--	--	--	--	36	--	--	--	--	--

02131000 PEE DEE RIVER AT PEEDEE, S.C.
(International Hydrological Decade Station)

LOCATION.--Lat 34°12'15", long 79°32'55", Marion County, at gaging station in pier of bridge on U.S. Highway 76 at Peedee, 0.2 mile downstream from Seaboard Coast Line Railroad bridge, 8.2 miles (revised) downstream from Black Creek, and at mile 100.2.

DRAINAGE AREA.--8,830 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1948 to September 1949, October 1961 to September 1971.
Water temperatures: February 1967 to September 1969.
Sediment records: February 1967 to September 1971.

EXTREMES, 1970-71.--Specific conductance: Maximum daily, 110 micromhos Nov. 3; minimum daily, 61 micromhos Mar. 10.
Sediment concentrations: Maximum daily, 245 mg/l Feb. 10; minimum daily, 8 mg/l Oct. 20.
Sediment loads: Maximum daily, 13,900 tons Mar. 13; minimum daily, 43 tons Oct. 20.

EXTREMES, 1967-71.--Specific conductance: Maximum daily, 140 micromhos Dec. 3, 1967; minimum daily, 52 micromhos July 16, 1968.
Water temperatures: Maximum daily, 32.0°C Aug. 8, 1968; minimum daily, 2.0°C Jan. 18, 1968.
Sediment concentrations: Maximum daily, 294 mg/l Aug. 12, 1970; minimum daily, 8 mg/l Oct. 20, 1970.
Sediment loads: Maximum daily, 13,900 tons Mar. 13, 1971; minimum daily, 43 tons Oct. 20, 1970.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
22...	1110	18.2	6840	6	30	82	--	1.1	6.9	21	26	0
22...	1110	18.2	6840	--	--	--	7.8	--	7.3	--	--	--
NOV.												
17...	1405	14.0	5110	--	--	90	8.6	--	7.1	--	--	--
DEC.												
15...	1140	9.5	2160	--	--	96	9.8	--	7.1	--	--	--
JAN.												
14...	1240	8.5	16800	--	30	80	--	2.4	6.4	18	22	0
14...	1240	8.5	16800	--	--	83	10.5	--	7.1	--	--	--
FEB.												
16...	1230	5.5	32700	--	--	--	--	1.5	--	--	--	--
16...	1230	5.5	32700	--	--	74	10.0	--	7.3	--	--	--
MAR.												
29...	1205	11.0	14700	--	--	--	--	1.6	--	--	--	--
29...	1205	11.0	14700	--	--	63	11.0	--	7.0	--	--	--
APR.												
26...	1035	17.0	8990	--	55	72	--	1.1	6.3	16	20	0
26...	1035	17.0	8990	--	--	75	8.1	--	6.8	--	--	--
MAY												
13...	1000	20.5	8470	--	--	--	--	--	--	--	--	--
13...	1000	20.5	8470	--	--	72	6.9	--	6.8	--	--	--
JUNE												
10...	1110	24.5	6540	--	--	--	--	1.8	--	--	--	--
10...	1110	24.5	6540	--	--	78	6.6	--	6.6	--	--	--
JULY												
13...	1000	25.5	3040	30	110	71	--	1.5	6.1	19	23	0
13...	1000	25.5	3040	--	--	75	6.7	--	6.7	--	--	--
AUG.												
25...	1315	26.0	13100	15	130	--	--	1.0	--	--	--	--
25...	1315	26.0	13100	--	--	64	6.0	--	6.5	--	--	--
SEP.												
14...	1155	25.0	3840	--	--	80	7.0	--	6.8	--	--	--

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)
OCT.											
22...	85	--	.040	15	0	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
14...	--	.00	--	20	2	4.6	2.0	7.8	.8	43	2.4
14...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	--	.00	--	18	1	3.7	2.0	7.4	.8	45	1.7
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	--	--	.000	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	.060	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
JULY											
13...	--	.03	--	18	0	5.1	1.3	6.6	.9	48	1.9
13...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
14...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)
OCT.											
22...	8.1	7.6	.1	--	7	3	89	0	6	0	.4
22...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
17...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
14...	7.2	7.6	.1	9.9	--	--	17	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	--	--	--	--	--	--	--	--
APR.											
26...	6.0	6.0	.2	8.4	--	--	67	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	--	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	--
10...	--	--	--	--	--	--	--	--	--	--	--
JULY											
13...	6.6	7.6	.2	10	--	--	0	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
14...	--	--	--	--	--	--	--	--	--	--	--

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
22...	1.5	5.4	2.5	--	--	.06	62	--	1150	.08	.6
22...	--	--	--	--	400	--	--	--	--	--	--
NOV.											
17...	--	--	--	--	57	--	--	--	--	--	--
DEC.											
15...	--	--	--	2000	--	--	--	--	--	--	--
JAN.											
14...	--	--	--	--	--	--	62	54	2810	.08	1.4
14...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
16...	--	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	1000	--	--	--	--	--	--	--
MAR.											
29...	--	--	--	--	--	--	--	--	--	--	--
29...	--	--	--	2300	--	--	--	--	--	--	--
APR.											
26...	--	--	--	--	--	--	54	47	1310	.07	1.5
26...	--	--	--	--	--	--	--	--	--	--	--
MAY											
13...	--	--	--	--	--	--	--	--	--	--	.0
13...	--	--	--	7500	365	--	--	--	--	--	--
JUNE											
10...	--	--	--	--	--	--	--	--	--	--	1.6
10...	--	--	--	14000	440	--	--	--	--	--	--
JULY											
13...	--	--	--	--	--	.00	64	52	525	.09	.0
13...	--	--	--	--	47	--	--	--	--	--	--
AUG.											
25...	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	310	--	--	--	--	--	--
SEP.											
14...	--	--	--	--	127	--	--	--	--	--	--

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	82	100	90	---	---	79	85	85	80	---	89	70
2	81	84	95	83	82	79	72	90	81	72	79	78
3	93	110	92	86	85	80	71	85	83	78	70	81
4	89	91	98	80	---	87	71	85	84	78	75	87
5	79	85	97	78	90	75	69	80	83	77	80	89
6	80	87	102	80	89	68	68	85	86	75	85	89
7	79	87	99	103	88	---	68	85	82	72	80	81
8	92	83	95	83	---	---	70	87	83	79	80	80
9	92	---	91	81	86	---	78	89	90	75	72	79
10	90	80	105	81	76	61	71	81	80	77	72	---
11	78	80	106	79	---	62	71	73	82	81	71	---
12	90	82	100	80	---	64	73	75	82	81	79	78
13	90	---	103	---	---	68	71	75	91	80	80	82
14	101	---	99	85	---	70	70	95	85	75	80	85
15	89	---	101	84	---	70	75	80	87	80	80	89
16	90	---	91	85	---	70	79	78	92	85	79	94
17	90	---	93	82	---	70	80	72	88	90	78	---
18	95	92	92	80	78	78	78	72	91	88	81	86
19	99	95	93	80	78	72	78	72	90	85	70	95
20	99	99	98	85	78	71	75	72	87	80	72	---
21	95	103	100	85	82	71	78	71	79	82	66	91
22	90	100	102	---	85	70	79	70	90	79	65	92
23	89	89	99	---	86	71	80	72	92	78	63	85
24	89	85	99	---	83	71	87	72	92	75	62	102
25	105	90	92	---	82	75	87	73	89	78	67	96
26	105	90	91	---	82	89	79	79	80	85	73	91
27	105	92	84	87	85	75	75	78	81	80	78	80
28	108	90	81	100	81	69	72	79	77	70	87	81
29	102	95	81	90	---	67	76	79	71	83	79	85
30	103	92	---	---	---	68	77	82	71	82	70	92
31	108	---	---	---	---	71	---	77	---	86	70	---
MONTH	93	91	95	---	---	72	75	79	84	80	75	86
YEAR	83											

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

(Where no daily concentrations are reported loads are estimated)

DAY	OCTOBER MEAN DISCHARGE (CFS)	OCTOBER MEAN CONCENTRATION (MG/L)	OCTOBER SEDIMENT DISCHARGE (TONS/DAY)	NOVEMBER MEAN DISCHARGE (CFS)	NOVEMBER MEAN CONCENTRATION (MG/L)	NOVEMBER SEDIMENT DISCHARGE (TONS/DAY)	DECEMBER MEAN DISCHARGE (CFS)	DECEMBER MEAN CONCENTRATION (MG/L)	DECEMBER SEDIMENT DISCHARGE (TONS/DAY)
1	4830	65	848	3810	44	453	2500	19	128
2	4510	42	511	3490	35	330	2500	18	122
3	7660	83	1720	2200	19	113	4110	41	455
4	10300	91	2530	1860	38	191	3830	40	414
5	10500	55	1560	2520	15	102	3710	34	341
6	8020	47	1020	2820	15	114	4050	24	262
7	5660	27	413	3610	42	409	3690	26	259
8	6390	59	1020	4370	11	130	3090	17	142
9	7150	65	1250	4930	51	679	3580	14	135
10	7250	75	1470	3680	32	318	4970	31	416
11	7230	87	1700	2360	14	89	6180	36	601
12	6410	61	1060	2650	21	150	8680	85	1990
13	4670	34	429	1990	31	167	9670	59	1540
14	3830	45	465	3440	31	288	10200	46	1270
15	5830	78	1230	4800	44	570	10300	50	1390
16	5950	56	900	5450	59	868	9440	43	1100
17	5670	50	765	4710	30	382	8370	36	814
18	5740	57	883	2940	22	175	8470	94	2150
19	5230	57	805	3370	19	173	8220	45	999
20	3360	32	290	2390	25	161	7750	43	900
21	3080	27	225	2490	19	128	6550	33	584
22	4190	55	622	4040	29	316	4700	43	546
23	4200	42	476	4730	39	498	3470	27	253
24	3900	58	611	3040	21	172	6130	35	579
25	5100	53	730	2670	28	202	7550	37	754
26	5400	59	860	4630	51	638	7700	52	1080
27	5200	29	407	4480	52	629	6890	24	446
28	3800	--	410	4420	42	501	9070	48	1180
29	4420	55	656	3230	22	192	10400	41	1150
30	5160	55	766	3180	29	249	10500	41	1160
31	4270	40	461	--	--	--	9680	37	967
TOTAL	174910	--	27093	104300	--	9387	205950	--	24127

DAY	JANUARY MEAN DISCHARGE (CFS)	JANUARY MEAN CONCENTRATION (MG/L)	JANUARY SEDIMENT DISCHARGE (TONS/DAY)	FEBRUARY MEAN DISCHARGE (CFS)	FEBRUARY MEAN CONCENTRATION (MG/L)	FEBRUARY SEDIMENT DISCHARGE (TONS/DAY)	MARCH MEAN DISCHARGE (CFS)	MARCH MEAN CONCENTRATION (MG/L)	MARCH SEDIMENT DISCHARGE (TONS/DAY)
1	9640	67	1740	8910	49	1180	12900	68	2370
2	9730	71	1870	7360	41	815	12500	--	2360
3	9510	55	1410	7680	32	664	10800	78	2270
4	9180	44	1090	9430	53	1350	9440	98	2500
5	9110	48	1180	12000	70	2270	8620	75	1750
6	9560	28	721	14100	124	4720	8140	80	1760
7	10100	25	682	14500	57	2230	7980	31	668
8	10600	33	944	14100	58	2210	8270	59	1320
9	10900	35	1030	13500	79	2880	7570	77	1570
10	11000	--	1040	12100	34	1110	6900	31	578
11	10900	23	677	9760	27	712	7020	46	872
12	9520	28	720	9920	36	964	6820	49	902
13	7160	17	329	9980	56	1510	6650	57	1020
14	7180	20	388	9980	44	1170	6860	60	1110
15	7430	15	301	9660	42	1100	6280	59	1000
16	8120	23	504	7760	47	985	4970	39	513
17	8000	35	756	6000	--	972	4180	31	350
18	7130	38	732	11200	85	2570	6310	59	1010
19	5310	23	330	17300	--	5610	7770	69	1450
20	4910	27	351	19500	161	8480	8510	72	1650
21	6870	34	631	20100	91	4940	9840	72	1910
22	8120	--	877	20500	62	3430	11300	52	1590
23	8550	--	908	20200	66	3600	14300	68	2630
24	7800	--	632	17500	37	1750	18200	104	5110
25	6980	--	471	14500	36	1410	19600	79	4180
26	5410	14	204	13300	55	1980	20300	55	3010
27	4330	14	164	12900	37	1290	20400	50	2750
28	6010	18	292	12700	46	1580	19600	46	2430
29	6500	22	386	--	--	--	18400	45	2240
30	7340	39	773	--	--	--	17000	58	2660
31	8640	49	1140	--	--	--	14500	29	1140
TOTAL	251420	--	23173	356340	--	63482	341830	--	56673

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970--Continued

(Where no daily concentrations are reported loads are estimated)

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	14000	37	1400	7210	59	1150	2510	--	271
2	14700	52	2060	6450	41	714	1920	--	156
3	17400	52	2440	6000	56	907	3440	--	464
4	19500	113	5950	5200	49	688	5330	91	1310
5	20900	104	5870	4870	34	447	5260	51	724
6	21900	68	4020	8560	111	2570	4750	48	616
7	22100	48	2860	10700	80	2310	4330	45	526
8	21100	44	2510	11400	56	1720	3330	32	288
9	19900	43	2310	11200	47	1420	2000	--	135
10	18100	44	2150	10800	51	1490	2010	--	136
11	16300	44	1940	9190	48	1190	3130	30	254
12	14700	46	1830	6440	40	696	3160	26	222
13	12300	62	2060	6600	79	1410	4070	36	396
14	9610	28	727	7050	74	1410	3550	21	201
15	9450	61	1560	7460	69	1390	2050	--	111
16	10300	--	1810	7040	47	893	2080	--	112
17	10900	69	2030	5840	64	1010	4650	36	452
18	10300	55	1530	4510	31	377	6120	67	1110
19	9270	72	1800	5830	81	1280	5920	--	799
20	7920	72	1540	5910	60	957	6600	--	1070
21	6200	41	686	6040	58	946	5270	46	655
22	6810	73	1340	6180	66	1100	2660	16	115
23	6700	54	977	6180	53	884	1930	--	78
24	7350	76	1510	5650	74	1130	3670	31	307
25	7200	73	1420	3620	35	342	4770	47	605
26	6240	56	943	2830	--	229	4840	37	484
27	4060	36	395	5440	87	1280	4870	41	539
28	3790	25	256	5800	65	1020	4460	49	590
29	6170	77	1280	4930	47	626	2320	--	188
30	7770	89	1870	4330	37	433	1930	--	99
31	--	--	--	4240	51	584	--	--	--
TOTAL	362940	--	59074	203500	--	32603	112830	--	13013

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1830	--	99	7910	87	1860	10000	32	864
2	2600	--	211	6750	67	1220	9830	64	1700
3	4250	46	528	4880	40	527	9250	65	1620
4	4620	55	686	4200	40	454	8570	62	1430
5	4220	58	661	5190	53	743	9020	96	2340
6	2210	--	179	5310	61	875	7720	70	1460
7	1830	--	99	5470	48	709	4720	42	535
8	2500	--	203	5890	67	1070	3890	44	462
9	3870	58	606	5360	77	1110	3720	29	291
10	4640	47	589	3680	42	417	5890	88	1400
11	5360	55	796	6180	54	901	6510	69	1210
12	4770	58	747	13800	294	11000	7380	92	1830
13	2350	--	190	18000	30	1460	7000	83	1570
14	1850	--	100	19700	141	7500	5110	39	538
15	1940	--	105	20800	95	5340	4980	41	551
16	3330	--	245	23500	63	4000	6660	107	1920
17	4650	55	691	27700	41	3070	6740	74	1350
18	4600	56	696	30700	29	2400	6670	84	1510
19	3190	30	258	31300	--	2540	6360	78	1340
20	1930	--	104	29100	32	2510	5480	67	991
21	1890	--	102	25700	40	2780	3190	34	293
22	3540	37	354	23300	55	3460	2830	--	229
23	5550	51	764	21500	46	2670	5680	86	1320
24	5810	51	800	20700	59	3300	6370	83	1430
25	3600	29	282	20600	77	4280	6380	76	1310
26	2630	--	178	20800	70	3930	5910	70	1120
27	3500	--	284	21000	58	3290	4710	48	610
28	3890	23	241	20600	51	2840	2780	36	270
29	5870	81	1280	19400	48	2510	2910	38	299
30	6250	55	928	17400	47	2210	4260	75	863
31	6790	67	1230	12900	47	1640	--	--	--
TOTAL	115550	--	14236	499320	--	82616	180520	--	32656

AL DISCHARGE FOR YEAR (CFS-DAYS)	2909410
SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	438133

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

(Where no daily concentrations are reported loads are estimated)

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2840	25	192	8820	134	3190	3240	17	149
2	2630	21	149	13300	191	6860	4870	51	671
3	3360	23	209	14900	96	3860	5040	31	422
4	5010	94	1270	14600	77	3040	4600	25	311
5	3250	20	176	13600	73	2680	3960	28	299
6	2330	18	113	12200	76	2500	3400	23	211
7	4010	42	455	10700	74	2140	2910	19	149
8	5160	63	878	9460	76	1940	2690	13	94
9	5310	59	846	7930	--	1061	3620	18	176
10	5450	53	780	5940	35	561	4090	20	221
11	4510	70	852	6650	48	862	4320	27	315
12	2400	20	130	7990	70	1510	4070	31	341
13	2440	14	92	8520	--	1610	3670	27	268
14	4750	66	846	8960	--	1570	2560	27	187
15	5090	51	701	9030	--	1580	2270	16	98
16	5020	31	420	8080	--	1310	3450	21	196
17	4600	50	621	5530	--	896	5030	26	353
18	3030	27	221	7480	56	1130	8680	102	2390
19	1970	13	69	8970	57	1380	10300	59	1640
20	2000	8	43	9450	51	1300	10500	40	1130
21	3900	35	369	9610	44	1140	8460	45	1030
22	6480	94	1640	9220	39	971	6240	24	404
23	5430	56	821	7940	67	1440	8080	46	1000
24	4730	26	332	5820	30	471	7730	48	1000
25	4110	15	166	6360	32	550	8890	90	2160
26	2560	23	159	7070	42	802	9680	39	1020
27	2670	15	108	6910	50	933	8860	25	598
28	4760	57	733	4570	16	197	5940	19	305
29	4950	62	829	3630	26	255	4390	15	178
30	3740	32	323	3830	24	248	6020	--	813
31	4730	29	370	--	--	--	7460	--	906
TOTAL	123220	--	14913	257070	--	46926	175020	--	19035

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	7770	--	839	10200	--	1100	20600	44	2450
2	7770	39	818	10600	36	1030	20400	36	1980
3	6480	47	822	11400	30	923	20700	34	1900
4	6150	14	232	11800	--	1270	23400	74	4680
5	5970	30	484	11900	51	1640	27700	142	10600
6	8140	28	615	12100	41	1340	33300	118	10600
7	14100	229	8720	14200	47	1800	38200	--	9280
8	17200	169	7850	17000	--	3210	42700	--	8650
9	17400	94	4420	18900	111	5660	46700	--	7570
10	17000	70	3210	20700	245	13700	47300	48	6130
11	17400	63	2960	23900	--	12900	44700	47	5670
12	18100	44	2150	28200	--	7610	40000	48	5180
13	18200	--	1820	32000	--	6480	34900	147	13900
14	17500	31	1460	34000	--	5970	29900	51	4120
15	16100	31	1350	33800	--	5480	25700	70	4860
16	14800	36	1440	32800	--	4870	23100	56	3490
17	13700	38	1410	31100	--	4200	21800	67	3940
18	11700	58	1830	28500	48	3690	21300	74	4260
19	10000	26	702	25100	47	3190	21000	80	4540
20	9410	22	559	22000	42	2490	20200	70	3820
21	9470	39	997	20100	--	2170	18500	70	3500
22	8850	--	836	18700	38	1920	15100	86	3510
23	8360	--	790	18000	32	1560	12000	50	1620
24	8440	--	798	18100	45	2200	11400	52	1600
25	7700	--	728	18800	44	2230	12200	96	3160
26	9500	--	1540	19500	43	2260	12900	66	2300
27	12600	73	2480	20400	73	4020	13200	70	2490
28	13700	48	1780	20700	48	2680	13500	60	2190
29	13500	45	1640	--	--	--	14100	65	2470
30	12500	--	1350	--	--	--	14700	52	2060
31	10800	--	1170	--	--	--	15900	51	2190
TOTAL	370310	--	57800	584500	--	107593	757100	--	144710

02131000 PEE DEE RIVER AT PEEDEE, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued
(Where no daily concentrations are reported loads are estimated)

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	17300	67	3130	10400	63	1770	12500	91	3070
2	17800	50	2400	10600	55	1570	10800	50	1460
3	17600	46	2190	8690	75	1760	10200	61	1680
4	16800	46	2090	6650	31	557	9710	70	1840
5	14800	70	2800	8450	67	1530	9090	68	1670
6	12500	36	1220	8950	69	1670	7520	81	1640
7	13000	52	1830	8680	70	1640	4370	44	519
8	13900	59	2210	8750	67	1580	3920	35	370
9	15300	58	2400	8550	68	1570	6780	92	1680
10	16200	52	2270	7830	58	1230	6750	76	1390
11	15900	45	1930	9510	91	2340	6090	64	1050
12	13800	56	2090	9300	51	1280	5260	53	753
13	11600	35	1100	9150	59	1460	5070	65	890
14	11300	39	1190	11300	93	2840	3020	51	416
15	11200	45	1360	17400	213	10000	3460	38	355
16	11400	60	1850	20700	215	12000	5720	81	1250
17	10900	54	1590	21200	101	5780	6550	75	1330
18	9590	64	1660	22600	97	5920	7990	98	2110
19	7270	37	726	26600	70	5030	8560	147	3400
20	6470	47	821	31100	54	4530	9510	110	2820
21	7470	54	1090	35700	43	4140	9680	126	3290
22	8560	53	1220	38800	33	3460	8270	77	1720
23	8990	72	1750	38600	32	3340	10100	136	3710
24	9670	71	1850	35200	47	4470	10700	138	3990
25	10600	57	1630	30000	36	2920	11900	134	4310
26	9050	67	1640	24300	33	2170	14300	206	7950
27	6190	29	485	21200	45	2580	14700	119	4720
28	5050	34	464	17200	46	2140	14100	133	5060
29	6800	45	826	13500	35	1280	12900	104	3620
30	9530	77	1980	13100	78	2760	11100	66	1980
31	--	--	--	13000	72	2530	--	--	--
TOTAL	346540	--	49792	547010	--	97847	260620	--	78043

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	9570	—	1710	10500	92	2610	7000	43	813
2	8450	66	1510	10600	71	2030	7000	47	888
3	8390	72	1630	10700	61	1760	7000	56	1060
4	7950	74	1590	10400	47	1320	7000	46	869
5	7070	67	1280	9950	61	1640	5000	47	635
6	5090	52	715	10100	87	2370	4000	47	508
7	4440	37	444	10700	92	2660	3800	43	441
8	7530	109	2220	10700	68	1960	4500	28	340
9	7470	104	2100	8910	64	1540	5000	67	905
10	8550	101	2330	6110	33	544	5500	--	965
11	7930	71	1520	6890	60	1120	5500	--	965
12	4530	44	538	7820	56	1220	4800	63	816
13	3520	39	371	9330	72	1810	4400	32	384
14	6050	87	1420	9990	79	2130	3400	18	165
15	7670	81	1680	10200	65	1790	4200	67	760
16	7790	73	1540	9990	70	1890	5000	73	986
17	7690	77	1600	10600	46	1320	6500	--	1228
18	7000	69	1300	13000	53	1860	7500	66	1340
19	5570	57	857	15800	70	2990	7000	45	851
20	3970	35	375	17600	90	4280	6000	--	567
21	5470	84	1240	18400	23	1140	3200	26	225
22	5960	68	1090	18200	36	1770	4200	63	714
23	6270	72	1220	17000	43	1970	5000	63	851
24	6950	50	938	14000	29	1100	5500	73	1080
25	6250	66	1110	12000	38	1230	6500	56	983
26	3890	58	609	11000	54	1600	7000	52	983
27	4230	39	445	10000	48	1300	7500	68	1380
28	7710	102	2120	9000	75	1820	8000	46	994
29	7590	59	1210	7500	54	1090	8500	40	918
30	7630	—	1340	7000	82	1550	8550	57	1320
31	9180	76	1880	6000	40	648	--	--	--
TOTAL	207360	--	39932	339990	--	54062	174050	--	23792

TAL DISCHARGE FOR YEAR (CFS-DAYS)	4142790
AL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	726355

02131250 LYNCHES RIVER NEAR PAGELAND, S.C.

LOCATION.--Lat 34°45'00", long 80°30'31", Chesterfield County, at bridge on State Highway 9, 1.5 miles upstream from Wildcat Creek, 7.0 miles west of Pageland, and at mile 138.0 (revised).

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOS-PHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.									
20...	1230	13.0	2.6	80	--	7.0	.020	.5	--
20...	1230	13.0	2.6	85	8.8	7.2	--	--	--
NOV.									
17...	1030	6.6	14	--	--	--	.020	1.0	--
17...	1030	6.6	14	88	11.9	7.3	--	--	110
DEC.									
18...	1315	8.5	300	--	--	--	.030	2.4	--
18...	1315	8.5	300	78	11.1	7.1	--	--	2260
JAN.									
11...	1350	8.0	100	--	--	--	.020	1.4	--
11...	1350	8.0	100	73	11.7	7.2	--	--	340
FEB.									
22...	1345	14.5	50	--	--	--	.030	.9	--
22...	1345	14.5	50	86	10.3	7.4	--	--	140
MAR.									
23...	1330	14.5	20	--	--	--	.000	.1	--
23...	1330	14.5	20	74	11.2	7.3	--	--	20
APR.									
19...	1345	22.0	20	--	--	--	.010	.0	--
19...	1345	22.0	20	78	10.1	7.4	--	--	--
MAY									
11...	0900	16.5	14	--	--	--	.040	.7	--
11...	0900	16.5	14	76	9.5	7.0	--	--	1400
JUNE									
15...	0830	23.5	5.0	--	--	--	.020	.7	--
15...	0830	23.5	5.0	84	7.8	7.0	--	--	440
JULY									
12...	1250	24.5	12	--	--	--	--	--	--
12...	1250	24.5	12	82	8.0	7.2	--	--	344
AUG.									
25...	0855	22.0	14	--	--	--	--	--	--
25...	0855	22.0	14	68	8.4	6.9	--	--	115
SEP.									
14...	0740	18.5	9.4	76	8.7	6.7	--	--	325

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
20...	1230	13.0	2.6	1	20	80	--	1.7	7.0	29	35	0
20...	1230	13.0	2.6	--	--	85	8.8	--	7.2	--	--	--

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
OCT.												
20...	3	.020	27	0	8.2	2.9	.1	0	5	114	0	0
20...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	FECAL COLI-FORM (COL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
20...	0	.2	.1	6.0	1.0	--	.05	62	.44	.08	.5

02131500 LYNCHES RIVER NEAR BISHOPVILLE, S.C.

LOCATION (REVISED).--Lat 34°15'00", long 80°12'50", Lee County, at gaging station near center of span on downstream side of bridge on U.S. Highway 15, 1.0 mile upstream from Seaboard Coast Line Railroad bridge, 2.9 miles northeast of Bishopville, 3.0 miles downstream from Bells Branch, and at mile 89.5.

DRAINAGE AREA.--675 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1945 to September 1946, October 1957 to September 1958, July 1969 to September 1971.
Water temperatures: October 1945 to September 1946.

EXTREMES, 1945-46.--Dissolved solids: Maximum, 41 mg/l Oct. 1-10, Dec. 1-10; minimum, 26 mg/l Sept. 1-10.
Water temperatures: Maximum, 25.5°C June 23, July 11, 12, 14, 17; minimum, 2.0°C Dec. 20-22.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOS-PHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.											
20...	1415	14.5	245	75	--	6.9	.090	1.9	2.0	40	--
20...	1415	14.5	245	--	8.8	7.3	--	--	--	--	--
MAY											
13...	0740	19.5	524	--	--	--	.050	.3	--	--	--
13...	0740	19.5	524	57	7.4	6.5	--	--	--	--	--
JUNE											
10...	0745	23.5	365	--	--	--	.040	.9	--	--	--
10...	0745	23.5	365	57	7.6	6.5	--	--	--	--	--
JULY											
13...	0815	23.0	452	--	--	--	--	--	1.9	110	--
13...	0815	23.0	452	33	7.5	6.3	--	--	--	--	60
AUG.											
25...	1140	23.5	1860	--	--	--	--	--	1.1	140	--
25...	1140	23.5	1860	40	6.7	6.1	--	--	--	--	65
SEP.											
14...	1010	21.5	736	46	7.6	6.5	--	--	--	--	83

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
20...	1415	14.5	245	1	40	75	--	2.0	6.9	23	28	0
20...	1415	14.5	245	--	--	--	8.8	--	7.3	--	--	--

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
OCT.												
20...	5	.090	5	0	5.5	4.4	.0	0	15	357	0	0
20...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	FECAL COLI-FORM (COL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
20...	0	.2	.2	2.5	1.2	--	.03	51	33.7	.07	1.9

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.

LOCATION.--Lat 34°03'05", long 79°45'15", Florence County, at gaging station on left bank at downstream side of bridge on U.S. Highway 52, 75 ft upstream from Seaboard Coast Line Railroad bridge, 1.0 mile south of Effingham, and at mile 43.4.

DRAINAGE AREA.--1,030 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, October 1960 to April 1966, July 1969 to September 1971. Water temperatures: October 1954 to September 1971.

EXTREMES, 1970-71.--Water temperatures: Maximum, 28.0°C June 15; minimum, 3.5°C Feb. 11.

EXTREMES, 1954-71.--Water temperatures: Maximum, 32.0°C on several days in 1960, 1961, and 1963; minimum, 0.5°C Jan. 24, 1970.

REMARKS.--Temperature recorder located at gaging station.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
22...	1015	16.8	236	86	--	6.8	.060	1.6	30	--
22...	1015	16.8	236	90	8.8	7.1	--	--	--	--
NOV.										
17...	1315	11.5	776	--	--	--	.020	.6	60	--
17...	1315	11.5	776	65	8.9	6.7	--	--	--	--
DEC.										
15...	1055	10.5	405	--	--	--	.030	.8	25	--
15...	1055	10.5	405	68	10.5	7.1	--	--	--	--
JAN.										
14...	1155	9.0	1180	--	--	--	.010	.5	100	--
14...	1155	9.0	1180	55	10.0	6.8	--	--	--	--
FEB.										
16...	1145	5.5	4010	--	--	--	.040	.3	160	--
16...	1145	5.5	4010	46	9.1	5.7	--	--	--	--
MAR.										
29...	1125	11.5	3000	--	--	--	.020	.5	60	--
29...	1125	11.5	3000	53	9.8	6.5	--	--	--	--
APR.										
26...	0955	17.0	1140	--	--	--	.030	.4	70	--
26...	0955	17.0	1140	66	8.3	6.6	--	--	--	--
MAY										
13...	0920	20.5	635	--	--	--	.050	1.7	--	--
13...	0920	20.5	635	65	7.3	6.6	--	--	--	--
JUNE										
10...	0915	24.0	413	--	--	--	.030	1.2	40	--
10...	0915	24.0	413	63	7.3	6.7	--	--	--	--
JULY										
13...	1110	24.0	1070	--	--	--	--	--	150	--
13...	1110	24.0	1070	43	6.7	6.5	--	--	--	84
AUG.										
25...	1355	24.0	5330	--	--	--	--	--	180	--
25...	1355	24.0	5330	37	6.9	6.0	--	--	--	43
SEP.										
14...	1105	23.0	694	58	7.7	6.6	--	--	--	80

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
22...	1015	16.8	236	1	30	86	--	1.1	6.8	16	20	0
22...	1015	16.8	236	--	--	90	8.8	--	7.1	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
22...	1	.060	7	0	8.4	5.6	.1	0	7	410	5	0

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
22...	0	.4	.1	3.1	1.8	--	.05	66	42.1	.09	1.6

02132000 LYNCHES RIVER AT EFFINGHAM, S.C.--Continued

MAXIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.5	17.5	12.5	5.0	9.5	13.5	15.0	17.5	22.0	26.0	24.0	25.5
2	20.5	18.0	13.5	5.5	7.5	13.0	15.5	18.0	23.0	25.5	25.0	25.0
3	21.5	18.0	13.0	5.5	5.5	13.5	16.0	17.5	23.5	24.5	25.5	25.0
4	21.0	17.0	14.5	8.5	4.5	13.5	16.0	17.0	24.5	24.5	26.0	24.5
5	19.5	14.5	14.0	11.5	6.0	11.5	16.0	17.0	25.5	24.0	25.5	25.0
6	19.0	13.5	12.0	11.5	9.0	12.5	15.0	19.0	26.5	24.0	25.5	25.0
7	19.5	13.5	11.5	10.5	8.0	13.0	14.5	20.5	27.5	23.5	25.0	25.0
8	20.0	13.0	9.0	9.5	8.5	12.0	13.5	20.5	27.0	24.5	25.5	24.5
9	21.5	13.5	9.0	7.0	8.5	11.0	15.5	21.0	27.0	25.5	26.0	24.0
10	22.5	13.5	10.0	6.5	7.0	10.5	18.0	21.0	25.5	26.0	26.0	23.5
11	22.0	14.5	11.5	8.5	5.0	11.0	18.0	21.5	26.0	27.0	26.0	23.5
12	22.5	15.5	12.5	10.0	6.0	12.0	19.0	21.0	26.5	27.0	26.0	24.0
13	22.5	15.5	12.5	10.0	6.5	13.5	21.0	23.0	27.0	25.5	25.5	24.0
14	22.0	15.0	12.0	10.5	6.0	16.5	21.0	22.5	27.0	26.5	25.0	23.5
15	22.0	14.5	10.5	11.0	6.0	17.0	20.0	21.5	28.0	26.5	24.5	23.5
16	22.0	14.5	9.0	10.5	7.5	17.5	19.5	20.5	27.5	26.0	23.5	23.5
17	18.5	13.0	10.0	8.5	8.5	17.5	20.5	22.0	26.5	27.0	23.5	24.0
18	16.0	11.5	10.0	7.5	10.0	15.5	21.0	23.0	26.5	27.5	24.0	24.0
19	15.5	11.5	10.0	6.5	11.0	13.5	21.5	23.0	25.0	27.5	24.5	24.5
20	15.5	12.5	11.0	5.5	13.0	13.0	21.5	23.5	25.0	27.5	25.5	25.0
21	17.5	12.5	12.0	4.0	13.5	11.5	21.0	23.5	25.5	26.0	26.0	25.0
22	17.0	12.0	12.5	5.0	15.5	13.5	22.5	22.0	26.0	25.5	26.0	25.0
23	17.5	12.0	14.5	7.5	15.5	15.0	22.5	21.5	25.5	25.5	25.0	24.5
24	17.5	11.0	14.5	8.0	15.0	14.5	17.5	21.5	26.0	25.0	25.0	23.0
25	17.5	9.0	14.0	8.5	13.5	13.0	18.0	22.0	26.5	25.5	25.0	22.5
26	16.5	7.0	11.0	10.5	13.0	8.5	19.0	24.0	27.0	26.0	24.0	22.0
27	16.0	8.0	8.5	10.0	14.0	7.5	19.0	23.5	27.0	26.0	24.0	22.0
28	16.0	9.5	6.5	6.5	14.0	10.5	19.5	23.0	26.0	26.0	25.0	22.0
29	17.0	11.0	5.5	5.5	---	11.5	19.5	22.0	26.5	25.5	25.0	22.0
30	17.5	11.5	5.0	8.5	---	12.5	19.5	18.5	26.0	25.0	25.0	21.5
31	17.5	---	4.5	9.5	---	13.5	---	21.0	---	24.5	25.0	---
MONTH	19.0	13.0	11.0	8.0	9.5	13.0	18.5	21.0	26.0	25.5	25.0	24.0
YEAR	18.0											

MINIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	17.5	11.0	4.5	7.5	13.0	12.5	16.5	19.0	24.5	23.0	24.5
2	19.0	17.0	12.0	4.5	5.5	13.0	15.0	16.5	20.5	24.5	23.5	24.0
3	19.0	17.0	12.0	4.5	4.5	13.0	15.0	16.5	21.0	23.5	24.0	23.5
4	19.5	14.5	13.0	5.5	4.0	11.0	14.5	15.5	21.5	23.0	24.5	23.5
5	17.5	13.0	12.0	8.5	4.0	10.5	15.0	15.5	22.5	23.0	25.0	23.5
6	17.5	12.0	11.5	10.5	6.0	10.5	14.5	16.5	24.0	23.5	24.5	23.5
7	17.5	11.5	9.0	9.5	7.5	12.0	12.5	18.5	25.0	23.0	24.0	23.5
8	18.5	11.5	7.5	7.0	7.5	10.5	11.0	20.0	25.5	23.0	24.5	23.5
9	19.5	12.0	7.5	6.0	7.0	9.5	12.5	19.5	25.5	23.5	25.0	23.0
10	20.5	13.5	8.5	6.0	4.5	9.5	15.5	19.5	24.0	24.5	25.0	23.0
11	20.5	13.5	9.5	6.5	3.5	9.5	16.5	19.5	23.0	25.0	24.5	23.0
12	20.5	14.5	11.0	8.5	4.5	10.0	16.5	20.0	23.5	25.5	25.0	23.5
13	20.5	14.5	12.0	9.0	6.0	11.5	18.0	21.0	24.5	24.5	24.0	22.5
14	21.0	14.0	10.5	9.5	4.5	13.5	20.0	21.0	25.5	24.5	24.0	22.0
15	21.0	14.5	8.5	10.5	4.5	16.0	18.0	20.0	25.0	25.0	23.5	21.5
16	18.5	13.0	9.0	8.5	6.0	16.0	17.5	19.5	25.5	25.0	23.5	22.0
17	16.0	11.0	9.0	7.5	6.5	15.5	18.0	19.5	25.5	24.5	23.0	23.0
18	14.5	10.0	9.0	6.5	8.0	13.0	18.5	20.5	24.5	25.0	23.0	23.5
19	14.0	10.0	8.5	5.5	9.5	13.0	20.0	21.0	23.5	26.5	23.5	23.0
20	15.0	11.5	10.0	3.5	11.0	11.5	19.0	21.5	24.0	25.5	24.0	23.0
21	15.0	11.5	11.0	2.5	13.0	10.0	19.5	22.0	23.5	24.5	25.0	23.5
22	16.5	11.0	11.5	4.0	13.5	11.5	20.5	20.5	24.0	24.0	25.0	23.5
23	15.5	11.0	12.5	5.0	15.0	13.5	17.0	20.0	24.0	24.5	24.5	23.0
24	16.5	8.0	14.0	7.5	13.0	12.5	16.0	20.5	24.0	24.0	24.0	22.0
25	16.5	6.5	11.0	8.0	11.5	8.5	16.0	21.0	24.5	24.0	24.0	21.5
26	15.5	5.5	8.5	8.5	11.5	5.5	16.5	22.0	25.5	24.5	23.5	20.5
27	15.5	6.0	6.5	6.5	12.5	5.0	18.0	21.0	25.0	24.5	23.5	20.5
28	15.5	7.5	5.5	5.0	13.0	7.5	17.5	22.0	24.0	25.0	24.0	20.5
29	16.0	9.0	5.0	4.5	---	10.5	18.5	18.5	25.0	25.0	24.5	20.5
30	17.0	10.0	4.5	5.5	---	11.0	17.5	17.5	25.5	24.5	24.5	20.5
31	17.5	---	4.5	8.5	---	11.5	---	17.5	---	23.5	24.0	---
MONTH	17.5	11.5	9.5	6.5	8.0	11.5	16.5	19.5	24.0	24.5	24.0	22.5
YEAR	16.5											

02135200 PEE DEE RIVER NEAR CONWAY, S.C.

LOCATION.--Lat 33°39'30", long 79°00'17", Horry County, at bridge on U.S. Highway 701, 0.5 mile upstream from Bull Creek, 3.4 miles (revised) downstream from Conch Creek, 13.7 miles southwest of Conway, and at mile 28.3.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMP-ERATURE (DEG C)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOS-PHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)	COLOR (PLAT-INUM-COBALT UNITS)
OCT.									
22...	1400	19.0	90	--	6.7	.030	1.3	--	40
22...	1400	19.0	88	7.4	6.8	--	--	86	--
NOV.									
18...	0845	13.0	--	--	--	.030	2.6	--	70
18...	0845	13.0	80	8.1	6.9	--	--	50	--
DEC.									
18...	0845	10.0	--	--	--	.030	.7	--	30
18...	0845	10.0	94	9.8	7.0	--	--	164	--
JAN.									
12...	0855	9.0	--	--	--	.030	.8	--	100
12...	0855	9.0	72	9.7	6.9	--	--	210	--
FEB.									
23...	0805	10.5	--	--	--	.050	.7	--	60
23...	0805	10.5	65	10.0	6.8	--	--	23	--
MAR.									
24...	0815	11.0	--	--	--	.090	.8	--	100
24...	0815	11.0	58	9.5	6.6	--	--	50	--
APR.									
20...	0800	17.0	--	--	--	.030	--	--	80
20...	0800	17.0	67	9.4	6.5	--	2.5	53	--
MAY									
11...	1315	20.5	--	--	--	.080	.2	--	--
11...	1315	20.5	71	6.7	6.4	--	--	68	--
JUNE									
15...	1250	27.5	--	--	--	.050	1.7	--	80
15...	1250	27.5	76	5.8	6.5	--	--	20	--

DATE	TIME	TEMP-ERATURE (DEG C)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.											
22...	1400	19.0	3	40	90	--	1.2	6.7	20	25	0
22...	1400	19.0	--	--	88	7.4	--	6.8	--	--	--

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
OCT.											
22...	10	.030	15	0	9.8	6.8	.2	0	5	357	0

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	FECAL COLI-FORM (COL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
22...	0	0	.4	.3	5.0	3.9	--	.05	65	.09	1.3
22...	--	--	--	--	--	--	86	--	--	--	--

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 34°09'02", long 80°18'18", Lee County, at gaging station at bridge on U.S. Highway 15, 0.1 mile downstream from Beaverdam Creek, 0.9 mile upstream from Seaboard Coast Line Railroad bridge, and 5.8 miles southwest of Bishopville.

DRAINAGE AREA.--70 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Sediment records: October 1970 to September 1971 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT.										
13...	1100	17.5	39	--	--	--	--	--	--	--
NOV.										
24...	1030	4.0	76	9.6	214	.6	.5	2.8	.6	58
DEC.										
15...	0920	7.5	60	9.3	266	.6	.4	3.0	.7	64
JAN.										
14...	1015	8.5	118	7.0	51	.6	.4	3.0	.7	63
FEB.										
16...	1015	5.0	153	4.0	0	.5	.6	2.7	.6	58
MAR.										
29...	1015	11.0	410	2.7	15	.4	.3	2.0	.6	58
APR.										
26...	0845	16.0	225	3.3	110	.8	.2	2.6	.7	61
MAY										
13...	0815	18.5	62	5.3	310	.8	.5	2.6	.6	53
JUNE										
10...	0815	21.0	23	6.7	483	.8	.5	2.6	.6	56
JULY										
16...	0745	22.5	45	8.5	0	.8	.4	2.9	.7	59
SEP.										
03...	1005	22.5	55	10	0	1.3	.8	2.9	.5	46
30...	0915	20.0	43	9.7	0	.7	.5	3.1	.7	60

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT.										
13...	--	--	--	--	--	--	--	--	--	--
NOV.										
24...	.7	2	0	2	.4	5.0	.1	1.3	.00	--
DEC.										
15...	.4	2	0	2	.8	5.2	.0	1.3	.01	--
JAN.										
14...	.5	2	0	2	2.0	4.4	.2	.7	.00	--
FEB.										
16...	.4	1	0	1	4.4	3.9	.1	.6	.00	--
MAR.										
29...	.7	0	0	0	2.8	2.6	.1	.9	.00	--
APR.										
26...	.6	2	0	2	1.6	3.6	.1	1.9	.00	--
MAY										
13...	.7	3	0	2	.4	4.2	.0	1.8	.00	.000
JUNE										
10...	.3	4	0	3	.4	3.4	.1	1.7	.00	--
JULY										
16...	.6	3	0	2	4.4	4.0	.1	.0	.03	--
SEP.										
03...	.7	2	0	2	1.6	5.8	.1	.4	.03	--
30...	.5	2	0	2	1.2	3.6	.2	.7	.00	--

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
OCT.									
13...	--	--	--	--	--	--	--	--	--
NOV.									
24...	39	22	8.00	.05	4	2	50	--	--
DEC.									
15...	33	23	5.35	.04	3	2	52	--	--
JAN.									
14...	35	20	11.2	.05	3	2	50	--	1.2
FEB.									
16...	27	18	11.2	.04	4	2	30	.03	1.2
MAR.									
29...	34	13	37.6	.05	2	0	5	.03	1.3
APR.									
26...	34	16	20.7	.05	3	2	80	.03	.8
MAY									
13...	42	17	7.03	.06	3	1	90	.03	--
JUNE									
10...	38	19	2.36	.05	4	1	85	.02	1.7
JULY									
16...	48	23	5.83	.07	4	1	85	.04	--
SEP.									
03...	58	--	8.61	.08	--	--	150	--	--
30...	21	24	2.44	.03	4	2	80	.00	--

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
OCT.							
13...	1100	17.5	39	27	8.3	5.9	2500
NOV.							
24...	1030	4.0	76	31	10.0	5.4	380
DEC.							
15...	0920	7.5	60	--	--	6.0	130
JAN.							
14...	1015	8.5	118	28	9.6	5.7	166
FEB.							
16...	1015	5.0	153	28	9.9	6.0	100
MAR.							
29...	1015	11.0	410	25	9.5	5.2	247
APR.							
26...	0845	16.0	225	27	7.5	5.5	740
MAY							
13...	0815	18.5	62	28	7.0	5.5	--
JUNE							
10...	0815	21.0	23	25	7.5	5.6	800
JULY							
16...	0745	22.5	45	26	6.8	5.6	4400
SEP.							
03...	1005	22.5	55	27	6.9	5.5	833
30...	0915	20.0	43	27	--	5.8	--

02135300 SCAPE ORE SWAMP NEAR BISHOPVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DEPOSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DEPOSITS (UG/KG)	CHLORDANE (UG/L)	DDD (UG/L)	DDD IN BOTTOM DEPOSITS (UG/KG)
NOV.										
24...	1045	4.0	76	.00	<.20	.00	<.20	.00	.00	96

DATE	DDE (UG/L)	DDE IN BOTTOM DEPOSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DEPOSITS (UG/KG)	DIELDRIN (UG/L)	DIELDRIN IN BOTTOM DEPOSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DEPOSITS (UG/KG)	HEPTACHLOR (UG/L)	HEPTACHLOR IN BOTTOM DEPOSITS (UG/KG)
NOV.										
24...	.00	29	.00	43	.00	<.20	.00	<.20	.00	<.20

DATE	HEPTACHLOR EPOXIDE (UG/L)	HEPTACHLOR EPOXIDE IN BOTTOM DEPOSITS (UG/KG)	MALATHION (UG/L)	PARATHION (UG/L)	DIAZINON (UG/L)	METHYL PARATHION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV.									
24...	.00	<.20	.00	.00	.00	.00	.00	.00	.00

DATE	TIME	TOTAL FILTRABLE RESIDUE (MG/L)	TOTAL NONFILTRABLE RESIDUE (MG/L)	DISSOLVED GROSS ALPHA AS U-NAT. (PC/L)	SUSPENDED GROSS ALPHA AS U-NAT. (PC/L)	DISSOLVED GROSS BETA AS CS-137 (PC/L)	SUSPENDED GROSS BETA AS CS-137 (PC/L)	DISSOLVED RA-226 (RADON METHOD) (PC/L)
DEC.								
15...	0920	30	7	.3	.2	1.5	<.6	.10

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBRP 1970 TO SEPTEMBER 1971

DATE		TIME	DISCHARGE (CFS)	CONCENTRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
OCT	13, 1970	1130	23	14	0.9
NOV	24......	1030	76	9	1.8
DEC	15......	1000	60	8	1.3
JAN	14, 1971	1050	108	9	2.6
FEB	16......	1030	153	7	2.9
MAR	29......	1030	410	5	5.5
APR	26......	0900	225	10	6.1
JUNE	10......	0820	23	8	0.5
JULY	16......	0800	45	20	2.4
SEPT	3......	1020	55	22	3.3
	30......	0930	43	20	2.3

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.

LOCATION.--Lat. 34°59'06", long 80°58'27", York County, at gaging station on right bank at downstream side of bridge on U.S. Highway 21, 3.5 miles downstream from Lake Wylie Dam, 5.0 miles northeast of Rock Hill, 7.5 miles upstream from Sugar Creek, and at mile 137.6.

DRAINAGE AREA.--3,050 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1957 to September 1962, October 1970 to September 1971.
Water temperatures: October 1957 to September 1962, October 1970 to September 1971.

EXTREMES, 1970-71.--Water temperatures: Maximum, 29.5°C July 28, Aug. 19; minimum, 3.5°C Feb. 14.

REMARKS.--Record of hourly values available in district office, Columbia, S.C. Dissolved oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	126	124	125
2	---	---	---	---	---	---	129	125	126	126	124	125
3	---	---	---	---	---	---	127	123	125	126	124	125
4	---	---	---	---	---	---	131	122	126	126	124	125
5	---	---	---	---	---	---	134	128	131	125	80	111
6	---	---	---	85	84	84	132	129	130	126	120	124
7	---	---	---	87	84	86	133	130	131	127	125	126
8	---	---	---	89	85	87	134	131	133	126	124	125
9	---	---	---	90	87	89	135	132	133	123	119	121
10	---	---	---	91	90	90	179	133	135	121	119	120
11	---	---	---	92	90	91	137	134	135	122	116	118
12	---	---	---	92	90	91	135	133	135	116	114	115
13	---	---	---	95	92	94	136	135	135	117	113	114
14	---	---	---	95	94	94	139	136	137	114	111	112
15	---	---	---	97	94	95	139	135	137	113	108	110
16	---	---	---	99	95	96	136	106	130	113	110	111
17	---	---	---	104	80	101	134	122	128	111	110	110
18	---	---	---	110	104	107	134	130	132	111	108	110
19	---	---	---	111	109	110	132	129	131	110	107	108
20	---	---	---	---	---	---	131	130	131	109	104	106
21	80	78	79	---	---	---	133	130	131	106	80	101
22	80	78	79	---	---	---	130	129	129	101	98	100
23	79	78	79	---	---	---	130	121	126	101	97	99
24	79	78	78	---	---	---	128	125	127	101	92	97
25	79	75	78	---	---	---	129	127	128	100	92	96
26	79	78	78	---	---	---	131	128	129	100	93	96
27	80	79	79	---	---	---	129	126	128	99	96	98
28	80	60	79	---	---	---	130	125	127	100	80	97
29	81	60	79	---	---	---	127	125	126	99	96	98
30	82	60	78	---	---	---	128	124	126	101	90	97
31	---	---	---	---	---	---	127	125	126	101	93	96
MONTH	---	---	---	---	---	---	179	106	130	127	80	110

SANTEE RIVER BASIN

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	97	92	94	90	88	89	111	109	109	91	88	90
2	102	80	94	91	82	88	111	108	110	91	89	90
3	99	93	96	91	44	61	113	108	110	92	90	91
4	100	57	95	90	74	86	111	108	109	---	---	---
5	97	88	93	91	85	90	110	88	100	---	---	---
6	98	95	96	93	90	91	94	88	91	---	---	---
7	98	57	84	92	90	91	93	88	90	---	---	---
8	92	75	89	93	91	92	90	89	89	---	---	---
9	93	91	91	---	---	---	91	88	89	---	---	---
10	93	90	92	---	---	---	90	88	89	---	---	---
11	94	89	91	---	---	---	91	87	89	---	---	---
12	91	89	90	---	---	---	90	88	89	---	---	---
13	93	90	91	---	---	---	90	88	89	93	88	90
14	94	92	93	---	---	---	90	87	88	93	91	92
15	94	92	93	109	106	107	93	87	88	95	70	87
16	97	92	93	109	103	106	89	87	88	93	76	90
17	94	92	93	108	106	106	89	86	88	96	88	91
18	95	91	93	108	105	106	89	86	87	93	91	92
19	95	91	92	107	104	106	90	87	88	93	86	91
20	93	91	92	108	104	106	89	86	87	88	81	84
21	96	92	93	107	104	106	87	86	87	84	81	83
22	95	74	88	106	102	104	89	87	88	84	80	82
23	90	67	86	105	102	104	91	88	89	81	77	79
24	91	89	90	106	103	104	92	88	90	79	75	78
25	91	85	90	106	104	105	90	88	89	78	75	77
26	91	88	89	107	103	105	90	88	89	78	76	77
27	94	84	90	107	103	105	90	88	89	77	75	76
28	90	89	89	107	105	106	91	88	89	76	74	75
29	---	---	---	162	101	108	89	87	88	76	75	75
30	---	---	---	109	106	107	90	89	89	75	73	74
31	---	---	---	109	108	109	---	---	---	75	73	74
MONTH	102	57	92	162	44	99	113	86	92	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	74	73	74	77	75	76	87	82	85	94	88	91
2	---	---	---	77	71	75	87	78	84	98	91	94
3	103	77	85	74	69	71	83	78	81	97	95	96
4	81	80	80	75	72	73	83	77	80	94	90	92
5	81	60	78	75	72	74	85	73	79	94	92	93
6	83	79	80	78	72	76	84	78	81	96	93	95
7	81	80	80	---	---	---	81	78	80	100	92	96
8	79	76	78	---	---	---	90	81	84	99	91	96
9	80	60	78	89	68	75	90	84	88	98	93	96
10	80	77	78	75	71	73	---	---	---	96	92	93
11	80	76	78	76	71	74	---	---	---	98	93	96
12	79	76	77	76	70	72	---	---	---	96	89	92
13	76	75	76	75	73	74	---	---	---	95	92	93
14	80	73	77	75	70	74	---	---	---	98	92	94
15	77	75	76	76	70	74	---	---	---	115	93	97
16	76	72	75	76	72	74	---	---	---	158	95	110
17	74	72	73	78	71	75	---	---	---	102	95	100
18	76	73	75	76	71	74	90	84	86	100	93	96
19	76	74	75	81	72	76	84	83	83	97	95	96
20	76	71	73	---	---	---	90	84	87	---	---	---
21	77	75	76	---	---	---	91	85	89	---	---	---
22	---	---	---	---	---	---	88	82	85	---	---	---
23	---	---	---	---	---	---	93	86	89	106	105	106
24	---	---	---	79	74	76	92	85	88	105	103	104
25	---	---	---	78	75	76	93	88	90	104	100	103
26	77	73	76	82	78	80	91	86	89	109	103	104
27	78	73	76	82	77	79	91	88	90	110	105	107
28	77	76	77	82	78	80	95	83	87	105	102	103
29	87	72	76	81	77	79	---	---	---	102	100	102
30	76	75	76	84	77	81	93	87	90	101	98	100
31	---	---	---	86	83	84	95	87	91	---	---	---
MONTH	103	60	77	89	68	76	---	---	---	158	88	98

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	10.0	8.6	---
2	---	---	---	---	---	---	10.0	9.6	---	10.0	8.6	---
3	---	---	---	---	---	---	10.0	9.4	---	10.0	9.4	---
4	---	---	---	---	---	---	10.0	9.1	---	10.0	8.5	---
5	---	---	---	---	---	---	10.0	8.8	---	10.0	8.8	---
6	---	---	---	10.0	7.8	---	10.0	8.7	---	10.0	8.9	---
7	---	---	---	9.4	7.8	8.7	10.0	8.[illegible]	---	10.0	9.1	---
8	---	---	---	10.0	8.1	---	10.0	8.8	---	10.0	9.2	---
9	---	---	---	9.1	8.0	8.6	10.0	8.9	---	10.0	9.2	---
10	---	---	---	8.2	8.0	8.1	10.0	8.5	---	10.0	9.1	---
11	---	---	---	8.5	7.5	8.0	10.0	8.5	---	10.0	9.1	---
12	---	---	---	9.1	7.5	8.1	10.0	9.0	---	10.0	9.6	---
13	---	---	---	9.9	7.6	8.3	10.0	9.2	---	10.0	9.4	---
14	---	---	---	8.8	7.2	8.3	10.0	9.6	---	10.0	9.3	---
15	---	---	---	9.2	7.8	8.5	9.6	8.3	8.9	10.0	9.4	---
16	---	---	---	9.1	8.0	8.1	10.0	8.4	---	10.0	9.4	---
17	---	---	---	8.8	7.7	8.2	10.0	8.6	---	10.0	9.5	---
18	---	---	---	8.4	8.0	8.1	10.0	8.5	---	10.0	9.4	---
19	---	---	---	8.7	8.0	8.2	10.0	8.8	---	10.0	10.0	---
20	---	---	---	---	---	---	10.0	9.0	---	10.0	10.0	---
21	7.8	7.5	7.6	---	---	---	10.0	8.2	---	10.0	10.0	---
22	8.1	7.8	8.5	---	---	---	10.0	9.4	---	10.0	10.0	---
23	9.1	7.9	8.5	---	---	---	10.0	8.6	---	10.0	10.0	---
24	9.3	8.0	8.4	---	---	---	10.0	8.8	---	10.0	10.0	---
25	8.5	7.9	8.1	---	---	---	10.0	9.6	---	10.0	10.0	---
26	8.6	6.6	7.9	---	---	---	10.0	9.3	---	10.0	10.0	---
27	8.8	6.8	7.4	---	---	---	10.0	9.6	---	10.0	10.0	---
28	---	---	---	---	---	---	10.0	9.9	---	10.0	10.0	---
29	---	---	---	---	---	---	10.0	9.7	---	10.0	10.0	---
30	---	---	---	---	---	---	10.0	9.2	---	10.0	10.0	---
31	---	---	---	---	---	---	10.0	9.3	---	10.0	10.0	---
MONTH	---	---	---	---	---	---	10.0	8.2	---	10.0	8.5	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	10.0	---	10.0	10.0	---	9.7	9.4	9.5	9.3	7.7	8.5
2	10.0	10.0	---	10.0	10.0	---	9.6	9.4	9.5	9.0	7.7	8.3
3	10.0	10.0	---	10.0	10.0	---	9.8	9.3	9.6	8.5	7.8	8.1
4	10.0	10.0	---	10.0	10.0	---	10.0	9.5	9.8	---	---	---
5	10.0	10.0	---	10.0	10.0	---	9.6	8.9	9.0	---	---	---
6	10.0	10.0	---	10.0	10.0	---	9.7	9.1	9.4	---	---	---
7	10.0	10.0	---	10.0	10.0	---	10.0	9.5	---	---	---	---
8	10.0	10.0	---	10.0	9.6	---	10.0	9.8	---	---	---	---
9	10.0	10.0	---	---	---	---	10.0	10.0	---	---	---	---
10	10.0	10.0	---	---	---	---	10.0	10.0	---	---	---	---
11	10.0	10.0	---	---	---	---	10.0	10.0	---	---	---	---
12	10.0	10.0	---	---	---	---	10.0	10.0	---	---	---	---
13	10.0	10.0	---	---	---	---	10.0	10.0	---	8.5	5.4	6.4
14	10.0	10.0	---	---	---	---	10.0	10.0	---	9.5	8.4	8.9
15	10.0	10.0	---	9.9	9.6	9.7	10.0	10.0	---	10.0	6.2	---
16	10.0	10.0	---	9.9	9.5	9.7	10.0	10.0	---	8.5	7.0	7.8
17	10.0	10.0	---	9.8	9.6	9.7	10.0	10.0	---	8.4	7.5	7.8
18	10.0	10.0	---	9.9	9.6	9.8	10.0	10.0	---	7.7	6.9	7.4
19	10.0	10.0	---	9.8	9.7	9.8	10.0	10.0	---	7.4	6.5	6.8
20	10.0	10.0	---	10.0	9.7	9.8	10.0	10.0	---	9.5	9.1	9.3
21	10.0	9.9	---	10.0	9.8	---	10.0	10.0	---	9.2	8.7	8.9
22	10.0	10.0	---	10.0	9.4	---	10.0	10.0	---	8.8	8.3	8.6
23	10.0	10.0	---	9.9	9.4	9.6	10.0	10.0	---	8.1	6.9	7.5
24	10.0	10.0	---	9.9	9.6	9.8	10.0	10.0	---	6.8	6.1	6.6
25	10.0	10.0	---	9.7	9.5	9.6	10.0	10.0	---	6.9	6.3	6.7
26	10.0	10.0	---	9.9	9.7	9.8	10.0	9.3	---	7.6	6.7	7.1
27	10.0	10.0	---	10.0	9.8	---	9.9	8.5	9.2	7.7	7.1	7.3
28	10.0	10.0	---	10.0	9.9	---	9.0	8.1	8.5	7.0	6.2	6.7
29	---	---	---	10.0	9.0	---	9.7	8.0	8.8	7.2	6.3	6.8
30	---	---	---	9.6	9.3	9.4	8.8	8.0	8.3	7.9	6.7	7.3
31	---	---	---	9.7	9.4	9.5	---	---	---	7.3	6.9	7.0
MONTH	10.0	9.9	---	10.0	9.0	---	10.0	8.0	---	---	---	---

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	6.5	6.8	5.4	4.7	5.0	5.5	[illegible]	6.0	5.7	4.6	5.1
2	7.3	6.2	6.6	5.0	4.3	4.6	6.0	5.3	5.6	6.2	4.2	5.0
3	6.9	5.1	6.3	4.9	4.0	4.4	5.7	3.3	4.4	4.7	4.1	4.3
4	6.9	6.2	6.6	5.4	4.0	4.7	4.7	3.9	4.4	6.5	4.1	5.1
5	7.3	6.6	6.9	7.4	4.0	5.5	4.6	2.6	4.0	7.1	4.8	6.0
6	7.5	6.6	7.0	6.6	5.5	6.0	4.8	2.7	3.4	7.1	6.1	6.6
7	7.3	6.1	6.7	6.7	5.0	5.7	5.5	4.2	4.8	6.1	4.2	5.2
8	7.4	6.3	6.6	6.0	5.0	5.6	6.7	4.3	5.4	5.7	4.1	4.9
9	7.4	6.5	7.0	5.9	5.3	5.6	4.9	4.5	4.7	6.4	4.2	5.3
10	7.0	6.3	6.6	6.4	4.5	5.6	---	---	---	6.5	4.9	5.7
11	6.9	5.8	6.4	5.8	4.6	5.2	---	---	---	6.4	5.5	6.0
12	7.4	5.7	6.6	5.2	4.3	4.8	---	---	---	6.0	4.9	5.5
13	7.4	6.2	6.8	6.2	4.2	5.3	---	---	---	6.9	5.6	6.1
14	6.7	6.5	6.6	5.5	5.4	5.5	---	---	---	6.9	5.4	6.0
15	7.0	5.9	6.5	5.7	4.7	5.2	---	---	---	5.9	4.6	5.2
16	7.1	6.1	6.5	5.4	4.5	5.0	---	---	---	5.4	4.1	4.7
17	7.0	5.9	6.4	5.4	4.4	4.8	---	---	---	4.9	3.7	4.0
18	7.2	5.1	6.3	6.1	4.4	5.2	6.7	5.0	6.5	5.5	3.7	4.4
19	6.9	5.2	6.1	5.4	4.6	4.5	7.2	6.5	6.5	6.1	4.8	5.3
20	7.5	5.7	6.6	5.1	3.6	4.1	6.8	6.0	6.3	---	---	---
21	6.5	5.7	6.0	5.2	3.6	4.2	6.5	5.4	5.9	---	---	---
22	6.6	5.5	6.0	5.4	3.8	4.3	5.9	4.9	5.4	---	---	---
23	6.7	5.0	5.8	6.3	4.0	5.1	5.9	4.7	5.3	5.4	5.1	5.2
24	6.4	5.0	5.7	6.0	4.7	5.2	7.8	4.4	5.3	5.5	4.7	5.0
25	6.3	5.0	5.7	5.6	4.2	4.9	7.9	5.8	7.0	5.7	4.8	5.1
26	5.9	5.6	5.7	8.3	4.7	6.6	7.4	5.1	6.0	6.1	5.0	5.5
27	5.9	4.4	5.4	7.4	4.2	5.5	6.8	5.0	5.9	5.5	4.9	5.2
28	5.6	4.6	5.1	5.8	4.5	5.3	7.2	5.1	5.7	5.5	4.8	5.0
29	5.5	4.9	5.1	6.9	5.0	5.7	7.6	4.8	6.0	6.2	5.0	5.5
30	5.7	4.6	5.1	6.4	5.3	5.8	7.0	5.0	6.2	6.4	5.3	6.0
31	---	---	---	6.7	5.9	6.2	5.3	5.1	5.7	---	---	---
MONTH	7.5	4.4	6.3	8.3	3.6	5.2	---	---	---	7.1	3.7	5.3

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	10.0	7.0	8.5
2	---	---	---	---	---	---	15.5	10.5	14.0	10.5	6.5	8.5
3	---	---	---	---	---	---	15.0	11.5	13.5	10.0	7.0	8.0
4	---	---	---	---	---	---	14.0	11.5	13.0	10.5	8.5	10.0
5	---	---	---	---	---	---	13.0	9.5	11.5	13.0	9.0	11.5
6	---	---	---	18.5	16.5	18.0	12.5	10.5	11.0	9.5	7.5	8.5
7	---	---	---	18.0	15.5	17.0	12.0	8.0	11.0	9.5	8.0	9.0
8	---	---	---	18.0	15.0	16.5	14.0	8.5	11.0	8.5	7.0	8.0
9	---	---	---	19.0	15.5	17.0	15.0	10.5	12.5	8.0	7.0	7.5
10	---	---	---	17.0	16.5	16.5	14.0	11.5	12.0	8.5	7.0	8.0
11	---	---	---	17.5	16.0	17.0	13.5	10.0	12.0	9.0	7.0	8.5
12	---	---	---	18.0	16.0	17.0	14.0	12.5	13.5	9.5	7.5	8.5
13	---	---	---	18.5	15.0	16.5	12.5	10.5	11.5	9.5	6.5	8.0
14	---	---	---	17.0	15.5	16.0	13.0	9.0	10.5	11.0	9.5	10.0
15	---	---	---	17.0	14.5	16.0	12.0	8.5	10.5	11.0	7.5	10.0
16	---	---	---	16.5	13.0	15.0	10.5	8.5	9.5	8.0	6.0	7.5
17	---	---	---	17.5	13.0	15.5	12.0	9.0	10.0	8.0	7.0	7.5
18	---	---	---	16.0	14.0	15.0	12.5	8.0	10.0	8.5	6.5	7.5
19	---	---	---	16.0	14.0	15.0	14.0	10.0	12.0	7.5	6.0	6.5
20	---	---	---	---	---	---	13.5	9.5	11.0	8.5	4.5	6.5
21	22.0	21.0	21.5	---	---	---	10.5	8.5	9.5	9.0	5.0	7.5
22	22.5	20.0	21.0	---	---	---	13.5	12.0	12.5	9.0	7.0	8.0
23	22.0	19.5	20.5	---	---	---	13.5	11.5	13.0	9.5	7.0	8.5
24	21.5	19.5	20.5	---	---	---	13.0	10.0	11.5	7.0	6.5	6.5
25	21.0	20.0	20.5	---	---	---	10.0	8.5	9.0	8.0	6.5	7.5
26	21.0	19.5	20.5	---	---	---	9.5	7.0	8.5	12.0	7.0	9.5
27	20.0	18.5	19.5	---	---	---	10.5	7.0	8.5	8.5	4.5	6.5
28	20.0	18.5	19.0	---	---	---	10.5	6.5	8.5	9.0	5.0	7.0
29	---	---	---	---	---	---	8.5	7.5	8.0	9.5	5.0	8.0
30	---	---	---	---	---	---	10.0	7.0	8.5	12.0	9.0	10.5
31	---	---	---	---	---	---	9.0	7.0	8.0	12.0	7.5	10.5
MONTH	---	---	---	---	---	---	15.5	6.5	11.0	13.0	4.5	8.5

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	5.0	6.5	9.5	8.5	9.0	14.5	11.5	13.0	19.5	15.5	17.0
2	7.5	4.0	6.0	10.0	9.0	9.5	13.5	10.5	12.0	18.5	16.5	17.5
3	7.0	5.5	6.0	10.0	8.5	9.5	14.0	9.5	11.5	17.0	15.5	16.0
4	6.0	5.5	6.0	10.0	6.5	8.5	15.0	10.5	12.5	---	---	---
5	9.0	6.0	7.0	11.5	9.0	10.0	13.0	10.5	11.5	---	---	---
6	10.0	4.0	7.5	11.5	8.5	10.0	11.5	11.0	11.0	---	---	---
7	6.5	5.0	6.0	12.0	10.0	11.0	14.0	10.0	12.0	---	---	---
8	7.5	6.5	7.0	11.0	9.5	10.0	14.0	11.5	12.5	---	---	---
9	7.0	5.0	6.0	---	---	---	15.5	10.5	13.0	---	---	---
10	7.0	5.0	6.0	---	---	---	15.0	11.5	13.0	---	---	---
11	8.5	4.0	6.5	---	---	---	15.5	10.5	13.0	---	---	---
12	9.0	6.0	7.0	---	---	---	16.0	11.0	13.5	---	---	---
13	8.0	5.0	6.5	---	---	---	16.5	12.0	14.0	20.0	19.0	19.5
14	7.0	3.5	5.5	---	---	---	15.0	12.5	14.0	20.5	18.5	19.5
15	9.0	5.0	7.0	11.5	10.0	11.0	15.5	11.5	13.5	19.5	17.5	18.5
16	10.5	5.5	7.5	12.5	9.0	10.5	15.5	12.0	14.0	21.0	18.0	19.5
17	8.0	4.0	6.0	11.5	8.5	10.0	17.5	12.5	14.5	22.0	19.0	20.5
18	8.0	4.5	6.0	12.5	8.5	10.5	17.5	12.5	15.0	21.5	19.0	20.5
19	7.5	4.5	6.5	11.5	9.5	10.5	15.5	13.0	14.5	22.0	19.0	20.5
20	9.5	7.0	8.0	10.0	8.0	9.0	17.5	14.0	15.5	22.0	19.0	20.5
21	8.0	7.0	7.5	11.5	7.0	9.5	16.5	15.0	15.5	22.0	20.0	21.0
22	10.0	9.0	8.5	11.5	9.5	10.5	17.0	15.0	16.0	22.0	20.0	21.0
23	9.0	6.0	7.5	12.5	9.5	11.0	15.5	14.0	14.5	22.0	19.0	20.5
24	9.0	6.0	7.5	12.0	9.0	10.5	18.0	14.0	16.0	22.0	19.5	21.0
25	9.5	7.0	8.0	10.0	8.5	9.0	18.5	15.0	16.5	21.5	20.0	20.5
26	8.0	5.5	7.0	9.0	7.0	8.5	18.5	14.5	16.5	22.5	19.0	21.0
27	11.5	8.0	9.5	11.5	8.0	10.0	18.0	16.0	17.0	23.0	19.5	21.0
28	10.5	8.0	9.5	13.5	9.5	11.5	19.5	15.5	17.5	21.5	19.0	20.0
29	---	---	---	13.0	10.0	11.5	20.0	16.0	18.0	19.5	18.5	19.0
30	---	---	---	12.5	9.5	11.0	19.0	16.0	17.5	20.0	18.5	19.5
31	---	---	---	13.5	9.5	11.5	---	---	---	22.0	18.5	20.5
MONTH	11.5	3.5	7.0	13.5	6.5	10.0	20.0	9.5	14.5	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.0	19.5	21.5	27.5	25.0	26.5	27.5	25.5	26.5	27.5	26.0	26.5
2	22.0	20.5	21.0	27.0	25.5	26.0	27.5	25.5	26.5	29.0	26.0	26.5
3	22.0	19.5	20.5	27.5	25.0	26.0	28.0	25.5	26.5	28.0	25.5	26.5
4	22.5	19.5	21.0	27.0	23.5	25.5	28.5	26.0	27.0	28.5	26.0	27.0
5	23.5	20.5	22.0	25.5	24.0	25.0	27.0	25.5	26.0	29.0	26.0	27.5
6	25.0	21.5	23.0	26.5	24.0	25.0	27.0	25.5	26.0	29.0	26.0	27.5
7	24.0	22.0	23.0	27.0	25.0	25.5	28.0	26.0	27.0	28.0	26.0	27.0
8	24.0	22.0	23.0	27.5	23.0	25.5	29.0	26.0	27.5	28.5	26.0	27.0
9	24.0	21.5	23.0	28.0	25.0	26.5	27.0	26.0	26.5	28.5	26.0	27.5
10	23.5	21.5	22.5	28.0	25.5	26.5	---	---	---	28.0	26.5	27.0
11	25.0	22.0	23.5	29.5	25.5	27.0	---	---	---	29.0	26.5	27.5
12	24.5	22.0	23.5	27.0	25.0	26.0	---	---	---	29.5	26.5	27.5
13	24.5	22.0	23.5	27.0	24.0	25.5	---	---	---	28.0	25.0	26.5
14	24.5	21.0	23.0	28.0	25.5	27.0	---	---	---	29.5	25.5	27.0
15	25.5	22.5	24.0	27.5	25.5	26.5	---	---	---	29.5	26.0	27.5
16	25.5	22.5	24.0	27.5	25.0	26.5	---	---	---	28.5	26.0	27.5
17	23.5	21.5	22.5	28.5	25.5	26.5	---	---	---	27.5	26.0	27.0
18	22.5	21.0	21.5	28.5	25.5	26.5	28.0	26.0	27.5	27.0	26.0	26.5
19	25.5	22.5	24.0	27.5	25.5	26.5	29.5	26.5	28.0	28.0	26.0	27.0
20	25.0	22.5	24.0	27.0	25.0	26.0	29.0	26.5	28.0	---	---	---
21	25.5	21.5	23.5	26.5	25.0	25.5	29.0	27.0	28.0	---	---	---
22	26.0	23.0	24.5	27.0	25.0	26.0	28.5	26.5	27.5	---	---	---
23	25.5	24.0	24.5	28.0	24.5	26.0	28.5	26.5	27.0	26.5	25.5	26.5
24	26.0	23.0	24.5	28.0	25.5	26.5	29.0	26.0	27.5	26.5	25.0	26.0
25	26.5	23.5	25.0	27.5	26.0	26.5	29.0	26.0	27.0	25.5	24.5	25.0
26	26.5	25.0	25.5	28.0	25.5	26.5	27.5	26.0	26.5	26.0	23.5	24.5
27	27.0	24.5	25.5	29.0	26.0	27.5	29.0	26.0	27.5	26.0	23.5	25.0
28	26.5	24.0	25.0	29.5	26.5	27.5	29.0	26.0	27.5	25.5	24.0	25.0
29	26.5	24.0	25.5	29.0	26.5	27.5	28.5	26.0	27.0	25.5	23.5	25.0
30	27.0	24.5	26.0	27.0	26.0	26.5	28.5	26.0	27.0	25.5	23.5	25.0
31	---	---	---	27.5	26.0	26.5	28.0	25.5	27.0	---	---	---
MONTH	27.0	19.5	23.5	29.5	23.0	26.5	---	---	---	29.5	23.5	26.5
YEAR	29.5	3.5	17.0									

02146000 CATAWBA RIVER NEAR ROCK HILL, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.7	7.3	7.5	6.1	5.3	5.8	6.7	6.4	6.6
2	---	---	---	7.5	6.2	6.8	6.5	5.4	6.0	6.5	6.3	6.4
3	---	---	---	7.3	6.3	6.7	6.8	6.5	6.7	6.4	6.3	6.3
4	---	---	---	7.3	6.9	7.1	6.8	6.5	6.7	---	---	---
5	---	---	---	7.5	6.5	7.3	6.7	6.4	6.5	---	---	---
6	---	---	---	7.3	6.5	6.9	7.0	6.5	6.7	---	---	---
7	---	---	---	6.7	6.1	6.4	7.2	6.7	6.9	---	---	---
8	7.0	6.6	6.8	6.8	6.0	6.6	7.3	6.7	7.0	---	---	---
9	7.4	6.9	7.2	---	---	---	7.2	6.6	7.0	---	---	---
10	7.6	6.9	7.3	---	---	---	7.2	6.7	6.9	---	---	---
11	7.4	5.0	6.8	---	---	---	7.6	6.9	7.1	---	---	---
12	7.1	6.7	6.9	---	---	---	7.2	6.8	6.9	---	---	---
13	7.4	6.9	7.1	---	---	---	7.1	6.4	6.8	7.7	6.2	7.4
14	7.7	7.4	7.6	---	---	---	8.0	6.6	7.2	7.7	7.5	7.6
15	7.6	6.9	7.3	6.3	6.0	6.1	7.7	6.9	7.2	8.0	7.6	7.8
16	7.7	5.9	7.2	6.5	5.9	6.2	7.5	6.9	7.1	7.9	7.5	7.6
17	8.2	6.7	7.6	6.5	6.1	6.3	8.1	6.8	7.3	7.7	6.6	7.1
18	8.2	7.2	7.7	6.5	5.6	6.1	7.5	6.7	7.0	6.9	6.5	6.6
19	8.4	7.6	8.0	6.3	5.8	6.1	7.1	6.7	6.9	6.6	6.3	6.5
20	8.1	7.9	8.0	6.6	6.4	6.5	7.9	6.8	7.3	6.6	6.2	6.4
21	8.3	7.0	8.1	6.7	6.5	6.6	7.2	6.8	6.9	6.7	6.3	6.5
22	8.2	6.9	7.5	6.5	6.4	6.4	7.4	6.8	7.1	6.7	6.4	6.6
23	7.6	6.6	7.2	6.7	6.0	6.4	7.6	7.0	7.3	6.6	6.2	6.4
24	7.6	6.0	7.0	6.6	6.1	6.4	7.6	7.1	7.3	6.4	6.1	6.3
25	7.6	6.9	7.3	6.6	6.4	6.5	7.1	6.7	6.9	6.4	6.2	6.3
26	7.6	7.3	7.4	6.7	6.5	6.6	6.6	6.3	6.5	6.4	6.3	6.3
27	7.6	6.8	7.2	6.6	5.9	6.3	7.0	6.3	6.5	6.5	6.3	6.4
28	7.9	7.6	7.7	6.3	5.4	5.9	6.4	6.3	6.3	6.4	6.3	6.4
29	---	---	---	6.6	5.4	6.1	7.4	6.4	6.7	6.5	6.4	6.4
30	---	---	---	6.9	6.3	6.6	6.9	6.4	6.7	6.4	6.3	6.4
31	---	---	---	6.7	5.5	6.2	---	---	---	6.4	6.3	6.4
MONTH	---	---	---	8.3	5.4	6.5	8.1	5.3	6.8	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.2	6.0	6.0	6.0	5.5	5.7	6.3	5.9	6.1	6.6	6.3	6.4
2	6.0	6.0	6.0	6.1	5.7	5.9	6.7	5.7	6.1	6.6	6.4	6.5
3	6.1	5.9	6.0	6.0	5.5	5.7	6.3	5.9	6.0	6.9	6.5	6.6
4	6.2	6.0	6.1	5.7	5.5	5.6	6.4	6.0	6.1	6.6	6.3	6.4
5	6.2	6.1	6.2	5.6	5.4	5.5	6.2	5.9	6.1	6.6	6.3	6.4
6	6.2	5.8	6.0	7.2	5.5	7.1	6.2	5.9	6.0	6.6	6.3	6.5
7	6.1	5.0	6.0	7.3	6.5	6.9	6.5	5.9	6.2	6.6	6.4	6.6
8	6.1	5.1	6.0	6.8	6.6	6.7	6.7	5.9	6.1	6.6	6.2	6.5
9	6.2	6.0	6.1	6.8	6.6	6.7	6.7	6.1	6.5	6.8	6.3	6.6
10	6.1	5.9	6.0	6.8	6.3	6.6	---	---	---	6.7	6.3	6.5
11	6.5	6.0	6.2	6.8	6.4	6.6	---	---	---	6.9	6.0	6.7
12	6.3	6.1	6.2	6.7	6.4	6.6	---	---	---	6.9	6.3	6.6
13	6.2	5.9	6.0	---	---	---	---	---	---	6.7	6.5	6.6
14	6.5	6.1	6.3	---	---	---	---	---	---	6.8	6.2	6.5
15	6.4	6.2	6.3	---	---	---	---	---	---	6.8	6.2	6.5
16	6.4	6.3	6.3	---	---	---	---	---	---	6.8	6.5	6.6
17	6.4	6.1	6.2	---	---	---	---	---	---	7.3	6.6	6.9
18	6.7	6.1	6.4	---	---	---	7.9	6.5	7.1	7.6	6.8	7.2
19	6.6	6.3	6.4	7.1	6.3	6.8	6.6	4.7	5.6	---	---	---
20	6.4	6.1	6.2	7.4	6.9	7.1	6.1	5.3	5.6	---	---	---
21	6.4	6.2	6.3	7.0	6.2	6.6	6.3	5.6	5.9	---	---	---
22	6.4	6.1	6.2	6.2	5.8	6.0	6.0	5.0	5.5	---	---	---
23	6.2	5.9	6.1	6.2	5.9	6.0	6.6	5.8	6.4	---	---	---
24	6.1	5.9	6.0	6.8	6.3	6.6	6.6	6.0	6.2	---	---	---
25	6.1	5.8	5.9	6.6	6.3	6.5	6.4	6.1	6.3	---	---	---
26	6.2	5.9	6.0	6.8	6.2	6.6	6.6	6.4	6.5	---	---	---
27	6.3	5.4	5.8	7.4	6.6	7.1	6.9	6.3	6.6	---	---	---
28	6.7	5.4	5.7	6.8	6.5	6.6	6.8	6.3	6.6	---	---	---
29	5.9	5.4	5.6	6.7	6.2	6.4	6.5	6.2	6.4	---	---	---
30	5.8	5.4	5.6	6.7	6.4	6.5	6.7	6.4	6.5	---	---	---
31	---	---	---	6.4	5.9	6.1	6.7	6.3	6.5	---	---	---
MONTH	6.7	5.0	6.1	7.4	5.4	6.4	---	---	---	---	---	---

02146800 SUGAR CREEK NEAR FORT MILL, S.C.

LOCATION.--Lat 34°57'00", long 80°52'14", York County, on left bank 0.1 mile downstream from bridge on State Highway 36, 6.3 miles southeast of Fort Mill, and at mile 0.4.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Water temperatures: October 1970 to September 1971.

REMARKS.--Record of hourly values available in district office, Columbia, S.C. Dissolved oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	432	206	401	---	---	---
2	---	---	---	---	---	---	476	380	437	---	---	---
3	---	---	---	---	---	---	510	464	488	---	---	---
4	---	---	---	198	190	193	536	448	510	250	216	232
5	---	---	---	---	---	---	554	296	521	234	120	149
6	---	---	---	---	---	---	538	478	515	---	---	---
7	---	---	---	---	---	---	528	180	442	---	---	---
8	---	---	---	---	---	---	528	454	486	---	---	---
9	---	---	---	---	---	---	490	204	454	---	---	---
10	---	---	---	---	---	---	532	366	505	---	---	---
11	---	---	---	---	---	---	530	474	501	190	178	184
12	---	---	---	---	---	---	506	470	490	200	184	192
13	---	---	---	---	---	---	510	466	488	204	180	197
14	---	---	---	---	---	---	506	172	451	276	182	200
15	---	---	---	---	---	---	450	182	396	218	134	186
16	---	---	---	---	---	---	444	190	364	188	164	173
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	202	194	200
19	---	---	---	---	---	---	---	---	---	204	196	201
20	---	---	---	---	---	---	---	---	---	302	200	232
21	242	200	232	---	---	---	---	---	---	374	200	288
22	328	200	266	---	---	---	---	---	---	330	202	246
23	---	---	---	---	---	---	---	---	---	370	156	192
24	---	---	---	---	---	---	---	---	---	160	132	145
25	---	---	---	---	---	---	---	---	---	130	58	88
26	---	---	---	---	---	---	---	---	---	126	60	86
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02146800 SUGAR CREEK NEAR FORT MILL, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	299	171	240
2	210	202	205	---	---	---	---	---	---	299	256	280
3	282	198	210	---	---	---	---	---	---	303	255	282
4	326	202	256	---	---	---	---	---	---	285	205	269
5	206	170	185	---	---	---	---	---	---	344	283	304
6	---	---	---	---	---	---	---	---	---	349	258	303
7	---	---	---	---	---	---	---	---	---	367	272	309
8	---	---	---	---	---	---	---	---	---	345	286	304
9	---	---	---	---	---	---	---	---	---	342	104	175
10	---	---	---	---	---	---	---	---	---	180	127	149
11	---	---	---	---	---	---	---	---	---	235	179	204
12	---	---	---	---	---	---	190	184	187	273	236	256
13	---	---	---	---	---	---	215	172	191	---	---	---
14	---	---	---	---	---	---	237	188	200	---	---	---
15	---	---	---	---	---	---	286	192	225	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	244	176	232	---	---	---	---	---	---
23	---	---	---	244	202	218	---	---	---	---	---	---
24	---	---	--	314	212	259	---	---	---	---	---	---
25	---	---	---	326	292	313	---	---	---	---	---	---
26	---	---	---	312	220	285	248	218	230	296	266	277
27	---	---	---	244	194	216	271	214	254	319	294	308
28	---	---	---	208	158	183	292	142	245	344	300	322
29	---	---	---	166	152	158	---	---	---	321	272	291
30	---	---	---	---	---	---	251	144	209	294	277	285
31	---	---	---	---	---	---	---	---	---	294	275	281
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	285	227	258	364	156	236	---	---	---	354	190	281
2	295	273	280	213	93	125	---	---	---	341	270	296
3	314	292	305	201	108	144	190	105	154	379	288	314
4	---	272	---	246	190	216	246	104	199	388	286	317
5	---	306	---	258	221	249	212	122	177	393	291	320
6	---	337	---	286	169	223	---	---	---	395	292	307
7	375	159	316	---	---	---	---	---	---	305	171	287
8	329	115	298	---	---	---	---	---	---	307	136	282
9	428	250	338	---	---	---	262	192	225	334	291	303
10	297	141	223	---	---	---	567	187	260	387	286	352
11	315	191	222	---	---	---	402	253	296	387	278	347
12	307	187	213	198	135	156	---	---	---	---	---	---
13	364	301	319	195	150	168	---	---	---	---	---	---
14	372	310	355	265	200	237	---	---	---	---	---	---
15	345	186	283	309	246	281	---	---	---	296	263	275
16	---	---	---	---	---	---	---	---	---	331	297	311
17	---	---	---	---	---	---	332	292	307	343	321	334
18	---	---	---	---	---	---	294	150	238	328	156	262
19	---	---	---	250	237	243	204	142	169	209	166	184
20	---	---	---	240	131	165	215	201	210	216	147	176
21	---	---	---	248	178	208	---	---	---	185	131	147
22	---	---	---	291	230	264	---	---	---	223	129	179
23	136	95	115	305	232	282	---	125	---	251	133	196
24	195	137	158	314	236	290	935	128	696	306	251	279
25	---	---	---	292	148	225	971	221	459	327	279	303
26	---	---	---	191	153	170	333	271	290	335	288	322
27	---	---	---	194	178	186	---	281	---	325	251	286
28	251	232	239	---	---	---	---	155	---	302	246	278
29	252	228	236	---	---	---	281	200	244	366	309	338
30	316	258	295	---	---	---	281	197	259	368	339	350
31	---	---	---	---	---	---	284	186	226	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	395	129	282

02146800 SUGAR CREEK NEAR FORT MILL, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.9	5.8	6.4	---	---	---
2	---	---	---	---	---	---	6.3	5.5	6.1	---	---	---
3	---	---	---	---	---	---	5.9	5.0	5.6	---	---	---
4	---	---	---	6.1	5.6	5.9	5.1	3.6	4.6	8.9	8.3	8.6
5	---	---	---	6.2	5.8	6.0	6.8	3.5	4.7	8.7	6.6	8.0
6	---	---	---	7.2	5.4	5.9	6.8	5.6	6.3	---	---	---
7	---	---	---	5.9	4.9	5.5	9.5	6.6	7.6	---	---	---
8	---	---	---	5.9	4.9	5.5	8.2	7.4	7.8	---	---	---
9	---	---	---	7.3	5.4	5.5	8.4	7.2	7.7	---	---	---
10	---	---	---	6.0	5.4	5.5	7.3	6.0	6.7	---	---	---
11	---	---	---	---	---	---	6.7	5.5	6.1	8.7	8.4	8.5
12	---	---	---	---	---	---	5.7	4.8	5.2	8.4	7.6	8.0
13	---	---	---	---	---	---	6.4	4.8	5.5	7.7	7.3	7.5
14	---	---	---	---	---	---	8.9	5.5	6.3	7.4	6.5	6.9
15	---	---	---	---	---	---	8.5	6.5	7.3	7.6	6.4	6.8
16	---	---	---	6.8	5.9	6.5	7.7	4.1	6.9	7.3	6.6	6.8
17	---	---	---	8.7	7.1	7.5	---	---	---	---	---	---
18	---	---	---	8.2	7.4	7.7	---	---	---	8.0	7.5	7.9
19	---	---	---	8.7	6.6	7.6	---	---	---	8.2	8.0	8.1
20	---	---	---	6.8	5.5	6.[illegible]	---	---	---	8.7	8.1	8.5
21	---	---	---	6.1	5.4	5.8	---	---	---	10.0	8.5	---
22	---	---	---	6.0	5.6	5.7	---	---	---	10.0	9.3	---
23	---	---	---	7.7	6.9	7.3	---	---	---	9.3	8.4	8.7
24	---	---	---	9.0	6.3	7.7	---	---	---	10.0	9.0	---
25	---	---	---	9.0	8.2	8.7	---	---	---	10.0	7.8	---
26	---	---	---	8.8	7.[illegible]	8.4	---	---	---	8.7	8.4	8.5
27	5.9	4.7	5.2	8.5	7.4	8.0	---	---	---	---	---	---
28	5.3	4.3	4.7	7.9	6.7	7.5	---	---	---	---	---	---
29	5.0	4.4	4.6	6.9	6.0	6.5	---	---	---	---	---	---
30	5.1	4.5	4.7	6.1	5.4	5.7	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	5.1	4.0	4.7
2	9.8	7.9	8.8	---	---	---	---	---	---	4.9	3.9	4.4
3	8.0	7.7	7.8	---	---	---	---	---	---	4.3	3.0	3.9
4	8.6	7.8	8.0	---	---	---	---	---	---	7.1	3.6	5.2
5	8.6	8.4	8.6	---	---	---	---	---	---	6.4	5.3	6.0
6	---	---	---	---	---	---	---	---	---	5.7	4.6	5.1
7	---	---	---	---	---	---	---	---	---	4.7	3.8	4.4
8	---	---	---	---	---	---	---	---	---	4.2	3.0	3.6
9	---	---	---	---	---	---	---	---	---	5.1	2.4	3.5
10	---	---	---	---	---	---	---	---	---	4.9	3.1	4.0
11	---	---	---	---	---	---	---	---	---	3.5	3.0	3.1
12	---	---	---	---	---	---	6.1	5.7	5.9	3.2	2.5	2.8
13	---	---	---	---	---	---	6.0	5.2	5.7	---	---	---
14	---	---	---	---	---	---	5.5	4.9	5.2	---	---	---
15	---	---	---	---	---	---	5.1	4.9	5.0	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	6.1	5.8	6.0	---	---	---	---	---	---
23	---	---	---	6.2	5.6	5.8	---	---	---	---	---	---
24	---	---	---	6.4	6.0	6.2	---	---	---	---	---	---
25	---	---	---	7.4	6.5	6.9	---	---	---	---	---	---
26	---	---	---	8.9	7.2	8.2	4.6	4.0	4.2	4.2	3.6	3.8
27	---	---	---	8.6	6.3	7.6	4.4	3.8	4.2	4.6	3.4	4.0
28	---	---	---	8.1	3.4	6.4	7.5	3.2	4.1	4.7	3.7	4.2
29	---	---	---	7.7	7.1	7.3	8.4	3.8	6.1	4.5	3.8	4.2
30	---	---	---	---	---	---	4.9	4.0	4.8	4.3	3.7	4.0
31	---	---	---	---	---	---	---	---	---	4.3	3.4	4.1
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02146600 SUGAR CREEK NEAR FORT MILL, S.C.—Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971—Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	4.4	3.3	4.0	2.6	1.1	2.1	---	---	---	3.1	2.0	2.8
2	4.0	3.3	3.7	3.2	1.5	2.5	---	---	---	3.1	2.8	3.0
3	3.4	2.9	3.1	3.2	2.6	3.0	3.8	3.1	3.4	3.4	2.9	3.0
4	3.6	2.2	2.8	3.6	2.2	3.1	3.2	1.9	2.8	3.0	2.9	2.9
5	3.9	2.2	2.6	4.3	2.6	3.3	2.8	1.7	2.6	3.0	2.9	2.9
6	2.9	2.2	2.6	3.8	1.2	2.8	---	---	---	3.0	2.9	3.0
7	4.3	1.7	2.7	---	---	---	---	---	---	3.1	1.9	3.0
8	6.4	2.1	3.0	---	---	---	---	---	---	3.6	1.9	2.9
9	3.2	2.0	2.7	---	---	---	2.4	1.9	2.0	3.4	2.9	3.0
10	3.1	1.6	2.7	---	---	---	2.7	1.6	2.0	3.3	2.8	2.9
11	3.9	2.5	3.4	---	---	---	2.0	1.9	1.9	3.0	2.8	2.9
12	4.2	2.7	3.1	4.5	2.0	4.2	---	---	---	---	---	---
13	3.9	2.9	3.3	4.6	3.8	4.2	---	---	---	---	---	---
14	3.4	2.8	3.1	3.9	2.8	3.4	---	---	---	---	---	---
15	4.9	2.8	3.3	2.6	2.2	2.4	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	4.7	3.4	4.6	---	---	---	---	---	---
20	---	---	---	5.3	4.1	4.6	---	---	---	---	---	---
21	---	---	---	4.8	2.3	4.1	---	---	---	---	---	---
22	---	---	---	4.4	2.3	4.1	---	---	---	---	---	---
23	---	---	---	4.4	2.3	4.0	2.9	1.2	1.7	4.0	3.7	3.8
24	---	---	---	4.0	2.9	3.7	3.2	1.9	2.1	3.7	2.4	3.5
25	---	---	---	3.6	2.3	3.0	2.4	1.9	2.2	3.8	2.6	3.3
26	---	---	---	3.8	3.4	3.6	2.6	2.5	2.5	3.6	2.6	3.4
27	---	---	---	3.7	3.5	3.6	2.8	2.4	2.6	3.5	2.3	2.8
28	3.7	2.9	3.1	---	---	---	3.5	2.8	3.1	3.3	2.0	2.9
29	3.0	2.4	2.9	---	---	---	3.4	2.1	3.1	3.2	2.8	3.0
30	2.8	2.3	2.5	---	---	---	3.6	1.5	3.0	4.0	3.4	3.7
31	---	---	---	---	---	---	3.8	1.9	2.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	13.5	12.0	12.5	---	---	---
2	---	---	---	---	---	---	14.5	12.0	13.5	---	---	---
3	---	---	---	---	---	---	14.5	11.5	13.0	---	---	---
4	---	---	---	15.0	13.0	14.5	15.5	13.0	14.0	10.0	8.0	9.0
5	---	---	---	13.5	11.5	12.5	13.0	9.5	10.5	15.5	10.0	13.0
6	---	---	---	16.0	16.0	11.5	10.5	7.5	9.0	---	---	---
7	---	---	---	13.5	9.5	11.5	11.0	5.5	7.0	---	---	---
8	---	---	---	13.5	10.0	12.0	7.0	4.0	6.0	---	---	---
9	---	---	---	13.0	9.5	11.5	13.5	4.0	6.0	---	---	---
10	---	---	---	14.0	12.5	13.5	12.5	5.5	7.5	---	---	---
11	---	---	---	---	---	---	13.5	8.5	11.0	10.0	7.0	7.5
12	---	---	---	---	---	---	16.5	13.5	15.0	8.0	7.0	7.5
13	---	---	---	---	---	---	15.5	11.5	13.5	7.5	5.0	6.5
14	---	---	---	---	---	---	13.0	8.5	9.0	8.5	4.5	5.5
15	---	---	---	---	---	---	11.0	4.5	6.5	7.5	5.0	5.5
16	---	---	---	12.5	6.5	10.0	10.0	7.0	8.5	7.5	5.0	5.5
17	---	---	---	9.5	7.5	9.0	---	---	---	---	---	---
18	---	---	---	9.0	7.0	8.5	---	---	---	7.0	5.0	6.0
19	---	---	---	12.0	8.5	10.5	---	---	---	6.5	5.0	5.0
20	---	---	---	14.0	12.0	13.0	---	---	---	6.5	4.0	5.0
21	19.0	14.0	18.5	13.5	9.5	11.5	---	---	---	6.0	5.0	5.5
22	21.0	17.5	19.5	11.5	9.0	10.0	---	---	---	5.5	5.0	5.5
23	20.0	16.0	18.0	14.0	8.5	10.0	---	---	---	7.5	4.5	5.5
24	19.5	15.5	17.5	---	---	---	---	---	---	8.0	5.0	7.0
25	19.5	17.5	18.5	---	---	---	---	---	---	8.5	5.0	6.0
26	22.5	17.0	18.0	---	---	---	---	---	---	9.0	5.5	7.0
27	18.0	15.5	16.5	---	---	---	---	---	---	---	---	---
28	17.0	15.5	16.5	---	---	---	---	---	---	---	---	---
29	17.0	16.0	16.5	15.0	9.5	11.5	---	---	---	---	---	---
30	20.5	17.0	18.0	15.5	9.0	12.5	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02146800 SUGAR CREEK NEAR FORT MILL, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	17.0	12.5	15.5
2	4.0	3.5	4.0	---	---	---	---	---	---	18.0	14.5	16.5
3	4.5	2.0	4.0	---	---	---	---	---	---	17.0	14.5	15.5
4	4.5	3.5	4.0	---	---	---	---	---	---	17.5	12.0	16.5
5	4.0	4.0	4.0	---	---	---	---	---	---	18.5	13.5	16.0
6	---	---	---	---	---	---	---	---	---	20.5	12.5	18.0
7	---	---	---	---	---	---	---	---	---	22.5	16.0	19.0
8	---	---	---	---	---	---	---	---	---	22.5	19.0	20.5
9	---	---	---	---	---	---	---	---	---	20.5	14.5	19.0
10	---	---	---	---	---	---	---	---	---	20.0	15.5	18.5
11	---	---	---	---	---	---	---	---	---	20.0	16.0	18.5
12	---	---	---	---	---	---	18.0	14.5	17.0	20.0	18.0	18.5
13	---	---	---	---	---	---	19.5	14.5	17.5	---	---	---
14	---	---	---	---	---	---	20.0	14.5	18.0	---	---	---
15	---	---	---	---	---	---	21.5	11.5	16.0	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	13.5	12.5	13.0	---	---	---	---	---	---
23	---	---	---	14.5	12.0	13.0	---	---	---	---	---	---
24	---	---	---	13.0	10.0	11.5	---	---	---	---	---	---
25	---	---	---	10.5	6.0	9.0	---	---	---	---	---	---
26	---	---	---	5.5	4.5	5.0	18.5	16.5	17.5	21.5	20.5	21.0
27	---	---	---	8.0	4.5	6.0	18.0	14.5	15.5	21.5	19.5	20.5
28	---	---	---	17.0	8.0	10.5	19.5	15.0	16.5	21.0	19.5	20.0
29	---	---	---	12.0	10.0	11.0	27.5	15.0	20.5	19.0	15.0	18.0
30	---	---	---	---	---	---	20.0	12.0	16.0	18.0	14.5	17.0
31	---	---	---	---	---	---	---	---	---	19.5	16.0	17.5
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	21.0	13.0	20.5	25.5	24.5	25.5	---	---	---	---	---	---
2	21.5	19.5	20.5	29.5	24.5	25.5	---	---	---	---	---	---
3	22.0	20.5	21.5	27.0	24.0	25.0	25.5	25.0	25.0	---	---	---
4	23.5	21.0	22.5	25.0	23.0	24.0	26.5	24.5	25.5	---	---	---
5	24.0	22.0	23.0	24.5	23.0	23.5	25.0	25.0	25.0	---	---	---
6	24.0	22.5	23.5	25.5	23.0	24.0	---	---	---	---	---	---
7	25.0	23.5	24.0	---	---	---	---	---	---	---	---	---
8	25.0	23.0	24.0	---	---	---	---	---	---	---	---	---
9	25.0	23.5	24.0	---	---	---	27.5	26.5	27.0	---	---	---
10	24.0	23.5	23.5	---	---	---	27.5	25.5	26.5	---	---	---
11	23.5	22.5	23.0	---	---	---	27.0	26.0	26.5	---	---	---
12	24.5	22.5	23.0	25.5	24.5	25.0	---	---	---	---	---	---
13	25.0	23.5	24.0	24.5	24.0	24.0	---	---	---	---	---	---
14	24.5	23.5	24.0	25.5	23.5	24.5	---	---	---	---	---	---
15	25.0	23.5	24.0	26.0	24.5	25.0	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	23.0	22.5	23.0	---	---	---
18	---	---	---	---	---	---	29.0	22.5	26.5	---	---	---
19	---	---	---	25.5	25.0	25.5	30.5	24.5	27.0	---	---	---
20	---	---	---	25.0	24.5	25.0	27.0	26.0	26.5	---	---	---
21	---	---	---	25.5	24.5	25.0	---	---	---	---	---	---
22	---	---	---	25.0	24.0	24.5	---	---	---	---	---	---
23	23.0	23.0	23.0	25.0	23.5	24.5	30.5	24.5	27.0	---	---	---
24	23.5	23.0	23.0	25.5	24.0	25.0	26.0	24.0	25.0	---	---	---
25	---	---	---	26.0	24.5	25.5	27.0	23.0	24.5	---	---	---
26	---	---	---	25.5	25.0	25.5	24.5	23.5	24.0	---	---	---
27	---	---	---	25.5	25.0	25.0	29.0	23.5	25.5	---	---	---
28	26.0	25.5	26.0	---	---	---	29.5	23.0	25.0	---	---	---
29	26.0	25.0	25.5	---	---	---	26.0	22.0	24.0	---	---	---
30	26.0	24.5	25.5	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02146800 SUGAR CREEK NEAR FORT MILL, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.2	7.0	7.1	---	---	---
2	---	---	---	---	---	---	7.4	6.7	7.2	---	---	---
3	---	---	---	---	---	---	7.5	6.7	7.2	---	---	---
4	---	---	---	7.2	7.0	7.2	7.4	7.0	7.1	7.2	7.0	7.0
5	---	---	---	7.3	7.0	7.2	7.5	7.1	7.3	7.0	6.7	6.8
6	---	---	---	7.4	6.7	7.2	7.5	7.2	7.4	---	---	---
7	---	---	---	7.4	6.5	7.1	7.6	7.3	7.4	---	---	---
8	---	---	---	7.4	6.5	7.2	7.6	7.3	7.5	---	---	---
9	---	---	---	7.4	6.8	7.0	7.6	7.0	7.3	---	---	---
10	---	---	---	7.3	7.0	7.2	7.4	6.4	7.1	---	---	---
11	---	---	---	---	---	---	7.3	6.6	7.1	7.2	7.1	7.1
12	---	---	---	---	---	---	7.0	6.9	7.0	7.2	6.9	7.1
13	---	---	---	---	---	---	7.4	7.0	7.2	7.4	7.0	7.2
14	---	---	---	---	---	---	7.5	7.0	7.3	7.2	7.0	7.1
15	---	---	---	---	---	---	7.5	7.0	7.2	7.2	7.0	7.1
16	---	---	---	7.3	7.0	7.1	7.4	6.7	7.2	7.2	7.1	7.2
17	---	---	---	7.4	7.0	7.3	---	---	---	---	---	---
18	---	---	---	7.4	7.1	7.3	---	---	---	7.5	7.4	7.4
19	---	---	---	7.4	6.7	7.1	---	---	---	7.6	7.4	7.5
20	---	---	---	7.2	6.9	7.1	---	---	---	7.7	7.5	7.6
21	7.2	7.0	7.1	7.4	6.9	7.2	---	---	---	7.8	7.4	7.6
22	7.3	7.0	7.2	7.4	6.7	7.2	---	---	---	7.5	7.3	7.4
23	7.5	7.1	7.4	7.4	7.0	7.3	---	---	---	7.2	6.9	7.1
24	7.6	7.1	7.4	7.5	7.0	7.4	---	---	---	7.1	7.0	7.1
25	7.4	7.3	7.4	7.6	7.2	7.5	---	---	---	7.1	6.8	6.9
26	7.4	7.0	7.2	7.6	6.9	7.3	---	---	---	6.9	6.8	6.8
27	7.3	7.2	7.3	7.4	6.2	7.1	---	---	---	---	---	---
28	7.4	7.2	7.3	7.3	5.9	6.9	---	---	---	---	---	---
29	7.4	7.3	7.4	7.1	6.1	6.8	---	---	---	---	---	---
30	7.3	7.3	7.3	7.1	6.1	6.8	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	7.3	7.1	7.2
2	7.4	7.3	7.3	---	---	---	---	---	---	7.3	7.2	7.2
3	7.6	7.4	7.5	---	---	---	---	---	---	7.4	7.2	7.3
4	7.6	7.4	7.5	---	---	---	---	---	---	7.4	7.1	7.1
5	7.4	7.2	7.3	---	---	---	---	---	---	7.3	7.0	7.1
6	---	---	---	---	---	---	---	---	---	7.2	6.9	7.0
7	---	---	---	---	---	---	---	---	---	7.1	6.8	7.0
8	---	---	---	---	---	---	---	---	---	7.1	6.9	7.0
9	---	---	---	---	---	---	---	---	---	7.1	6.6	6.8
10	---	---	---	---	---	---	---	---	---	6.9	6.7	7.1
11	---	---	---	---	---	---	---	---	---	7.2	6.9	7.0
12	---	---	---	---	---	---	7.2	6.9	7.0	7.0	6.9	7.0
13	---	---	---	---	---	---	7.3	6.9	7.1	---	---	---
14	---	---	---	---	---	---	7.3	7.1	7.2	---	---	---
15	---	---	---	---	---	---	7.9	6.3	7.1	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	7.2	7.1	7.2	---	---	---	---	---	---
23	---	---	---	7.4	7.1	7.3	---	---	---	---	---	---
24	---	---	---	7.5	7.3	7.4	---	---	---	---	---	---
25	---	---	---	7.6	7.5	7.5	---	---	---	---	---	---
26	---	---	---	7.6	7.4	7.5	7.2	7.0	7.1	7.2	6.9	7.1
27	---	---	---	7.5	7.3	7.4	7.3	7.2	7.3	7.2	7.0	7.1
28	---	---	---	7.5	6.8	7.1	7.3	6.0	7.0	7.2	7.1	7.2
29	---	---	---	7.1	7.0	7.1	7.3	6.0	6.9	7.2	7.1	7.2
30	---	---	---	---	---	---	7.3	7.1	7.2	7.2	7.1	7.2
31	---	---	---	---	---	---	---	---	---	7.2	6.9	7.0
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02146800 SUGAR CREEK NEAR FORT MILL, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.1	6.7	6.7	7.4	7.1	7.2	---	---	---	6.8	6.6	6.7
2	6.9	6.7	6.8	7.1	6.6	6.9	---	---	---	6.8	6.6	6.7
3	6.9	6.7	6.9	7.1	6.8	6.9	6.8	6.6	6.7	7.0	6.4	6.7
4	7.0	6.7	6.8	7.1	7.0	7.1	7.0	6.8	6.9	6.9	6.5	6.8
5	7.0	6.7	6.9	7.1	7.1	7.1	---	---	---	7.0	6.6	6.7
6	---	---	---	7.5	6.7	7.0	---	---	---	6.7	6.5	6.6
7	7.2	7.0	7.1	---	---	---	---	---	---	6.8	6.6	6.7
8	7.2	7.0	7.1	---	---	---	---	---	---	---	---	---
9	7.2	7.0	7.1	---	---	---	6.9	6.7	6.8	---	---	---
10	7.0	6.7	6.9	---	---	---	7.0	6.8	6.9	---	---	---
11	7.0	6.9	7.0	---	---	---	7.1	6.9	7.0	---	---	---
12	7.1	7.0	7.1	6.9	6.8	6.8	---	---	---	---	---	---
13	7.1	7.1	7.1	6.9	6.8	6.9	---	---	---	---	---	---
14	7.2	7.1	7.2	7.0	6.9	7.0	---	---	---	---	---	---
15	7.2	7.1	7.1	---	---	---	---	---	---	6.7	6.5	6.6
16	---	---	---	---	---	---	---	---	---	6.8	6.6	6.7
17	---	---	---	---	---	---	7.0	7.0	7.0	6.7	6.6	6.7
18	---	---	---	---	---	---	7.0	6.8	6.9	6.9	6.6	6.7
19	---	---	---	---	---	---	6.8	6.6	6.7	7.1	6.9	7.0
20	---	---	---	---	---	---	6.9	6.8	6.8	7.1	6.9	7.0
21	---	---	---	---	---	---	---	---	---	6.9	6.5	6.6
22	---	---	---	---	---	---	---	---	---	6.8	6.5	6.7
23	7.4	6.7	7.1	---	---	---	6.9	6.5	6.7	6.7	6.3	6.6
24	7.8	7.5	7.7	---	---	---	6.9	6.5	6.7	6.8	6.7	6.8
25	---	---	---	---	---	---	7.0	6.8	6.9	6.9	6.8	6.9
26	---	---	---	6.9	6.7	6.8	7.0	6.8	6.9	6.9	6.7	6.8
27	---	---	---	6.9	6.8	6.9	7.0	6.6	6.9	6.9	6.7	6.8
28	7.3	7.1	7.2	---	---	---	6.7	6.5	6.6	6.9	6.7	6.8
29	7.4	7.2	7.3	---	---	---	6.9	6.7	6.8	6.9	6.8	6.9
30	7.4	7.3	7.4	---	---	---	7.0	6.7	6.8	7.0	6.8	6.9
31	---	---	---	---	---	---	7.0	6.6	6.8	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.

LOCATION.--Lat 34°50'10", long 80°52'50", York County, 1.6 miles downstream from bridge on State Highway 5, 2.3 miles southeast of Catawba, and 6.2 miles upstream from Southern Railway bridge.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Water temperatures: October 1970 to September 1971.

REMARKS.--Record of hourly values available in district office, Columbia, S.C. Dissolved oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	193	108	129	---	---	---	---	---	---
2	---	---	---	---	---	---	159	154	156	---	---	---
3	---	---	---	---	---	---	---	156	---	---	---	---
4	---	---	---	172	142	166	---	157	---	174	147	161
5	---	---	---	139	96	108	198	160	169	149	131	138
6	---	---	---	198	97	121	187	147	159	137	126	130
7	---	---	---	124	99	114	---	133	---	---	---	---
8	---	---	---	170	125	146	172	132	148	---	---	---
9	---	---	---	168	99	127	---	151	---	---	---	---
10	---	---	---	147	99	123	---	148	---	---	---	---
11	---	---	---	172	127	143	---	153	---	---	---	---
12	---	---	---	158	125	135	---	183	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	---	152	---	---	---	---
15	---	---	---	---	---	---	198	147	154	161	129	140
16	---	---	---	165	108	120	---	141	---	145	117	127
17	---	---	---	141	106	117	---	187	---	137	117	126
18	---	---	---	174	103	113	---	175	---	179	116	144
19	---	---	---	---	---	---	---	194	---	143	110	118
20	---	---	---	---	---	---	---	---	---	133	106	114
21	---	---	---	---	---	---	---	183	---	135	110	116
22	---	---	---	---	---	---	183	151	159	140	109	121
23	---	---	---	---	---	---	---	154	---	183	111	127
24	---	---	---	192	118	122	---	140	---	134	108	121
25	---	---	---	196	129	156	---	---	---	121	104	111
26	---	---	---	148	142	144	---	---	---	149	104	118
27	---	---	---	149	121	143	156	132	141	146	102	111
28	---	---	---	---	---	---	167	150	156	126	101	107
29	160	150	155	---	---	---	---	---	---	133	101	110
30	199	162	175	---	---	---	---	---	---	153	110	131
31	190	105	123	---	---	---	---	---	---	154	119	134
MONTH	---	---	---	---	---	---	---	132	---	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	127	96	113	---	---	---	183	107	128	---	---	---
2	115	95	103	115	99	104	---	---	---	---	---	---
3	104	99	102	103	73	91	---	---	---	---	---	---
4	108	100	104	---	---	---	---	---	---	---	---	---
5	110	103	106	---	---	---	148	105	118	---	---	---
6	119	105	110	---	---	---	115	87	93	---	---	---
7	117	82	105	---	---	---	145	86	108	---	---	---
8	91	78	87	---	---	---	141	99	116	---	---	---
9	100	89	94	105	100	102	215	140	183	---	---	---
10	103	91	96	154	102	126	---	---	---	---	---	---
11	121	95	104	176	118	149	---	---	---	---	---	---
12	109	95	100	---	---	---	162	153	157	---	---	---
13	106	95	98	---	---	---	158	111	148	---	---	---
14	121	95	101	---	---	---	110	91	102	---	---	---
15	98	95	96	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	197	105	113	125	107	115	---	---	---	---	---	---
18	161	106	124	---	---	---	---	---	---	---	---	---
19	149	105	121	---	---	---	167	95	117	---	---	---
20	---	---	---	---	---	---	125	92	100	---	---	---
21	---	---	---	---	---	---	129	90	102	---	---	---
22	---	---	---	151	107	124	155	111	135	---	---	---
23	---	---	---	120	93	103	---	---	---	---	---	---
24	---	---	---	119	96	106	---	---	---	---	---	---
25	---	---	---	194	101	142	---	---	---	---	---	---
26	---	---	---	---	---	---	209	154	169	---	---	---
27	---	---	---	---	---	---	190	115	137	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	118	84	93	---	---	---	---	---	---
31	---	---	---	195	86	97	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	108	81	96	---	---	---	298	126	138	134	111	120
2	107	80	86	---	---	---	172	131	144	209	130	176
3	103	79	87	---	---	---	163	96	132	183	120	136
4	154	78	97	---	---	---	146	95	108	147	119	128
5	124	76	87	---	---	---	139	96	109	190	141	170
6	106	76	90	---	---	---	116	98	103	---	---	---
7	113	83	97	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	166	52	81	---	---	---	---	---	---
10	---	---	---	143	49	73	127	112	118	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	105	82	93	---	---	---	---	---	---
13	---	---	---	132	86	100	---	---	---	---	---	---
14	---	---	---	---	---	---	---	---	---	152	127	142
15	---	---	---	125	79	94	---	---	---	161	116	137
16	---	---	---	156	85	106	177	165	171	148	116	125
17	---	---	---	130	87	98	173	158	165	172	123	134
18	---	---	---	107	89	98	193	142	164	195	123	142
19	---	---	---	---	---	---	165	137	147	150	130	140
20	---	---	---	---	---	---	183	100	160	152	116	135
21	---	---	---	110	76	85	132	97	108	140	115	118
22	---	---	---	128	76	100	114	97	107	152	111	123
23	---	---	---	116	77	92	---	---	---	168	113	138
24	---	---	---	288	109	156	---	---	---	201	120	162
25	---	---	---	128	88	104	174	112	139	173	121	133
26	---	---	---	---	---	---	194	116	132	156	125	137
27	---	---	---	---	---	---	216	131	175	179	118	152
28	---	---	---	---	---	---	176	124	144	---	---	---
29	---	---	---	179	115	129	144	111	118	---	---	---
30	---	---	---	260	124	183	178	126	151	---	---	---
31	---	---	---	251	128	166	161	113	131	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	8.0	6.3	7.6	---	---	---	---	---	---
5	---	---	---	8.3	5.8	7.3	---	---	---	---	---	---
6	---	---	---	8.1	6.0	7.1	---	---	---	---	---	---
7	---	---	---	8.8	7.3	7.9	---	---	---	---	---	---
8	---	---	---	7.5	5.6	6.2	---	---	---	---	---	---
9	---	---	---	8.6	7.6	8.0	---	---	---	---	---	---
10	---	---	---	9.6	8.2	8.4	---	---	---	---	---	---
11	---	---	---	8.7	7.5	8.3	---	---	---	---	---	---
12	---	---	---	8.5	7.2	8.1	---	---	---	---	---	---
13	---	---	---	8.2	6.1	6.9	---	---	---	---	---	---
14	---	---	---	8.8	6.6	7.5	---	---	---	---	---	---
15	---	---	---	9.2	6.2	7.8	---	---	---	---	---	---
16	---	---	---	8.2	7.2	8.0	---	---	---	---	---	---
17	---	---	---	8.5	7.4	8.1	---	---	---	---	---	---
18	---	---	---	9.1	7.6	8.0	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	10.0	9.9	---
20	---	---	---	---	---	---	---	---	---	10.0	9.8	---
21	---	---	---	---	---	---	---	---	---	10.0	9.9	---
22	---	---	---	---	---	---	9.0	7.5	8.5	9.8	9.5	9.7
23	---	---	---	---	---	---	---	---	---	9.7	8.6	9.4
24	---	---	---	---	---	---	---	---	---	10.0	9.2	---
25	---	---	---	---	---	---	---	---	---	10.0	9.3	---
26	---	---	---	---	---	---	---	---	---	10.0	9.3	---
27	---	---	---	---	---	---	---	---	---	10.0	10.0	---
28	---	---	---	---	---	---	---	---	---	10.0	10.0	---
29	6.0	4.7	5.4	---	---	---	---	---	---	10.0	10.0	---
30	6.0	4.3	5.2	---	---	---	---	---	---	10.0	10.0	---
31	6.0	4.8	5.3	---	---	---	---	---	---	10.0	8.6	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	9.3	---	---	---	---	10.0	10.0	---	7.8	7.2	7.5
2	10.0	10.0	---	9.4	9.0	9.3	10.0	9.4	---	8.2	6.0	6.7
3	10.0	10.0	---	9.2	8.4	8.9	10.0	9.2	9.6	7.6	6.5	6.9
4	10.0	10.0	---	---	---	---	---	---	---	9.5	7.3	7.9
5	10.0	10.0	---	---	---	---	8.8	8.3	8.6	9.6	7.2	7.9
6	10.0	10.0	---	---	---	---	9.0	8.4	8.7	8.8	7.2	7.8
7	10.0	10.0	---	---	---	---	9.2	8.7	9.1	8.7	6.7	7.4
8	10.0	10.0	---	---	---	---	10.0	9.3	---	8.1	6.1	7.2
9	10.0	10.0	---	9.7	9.3	9.4	10.0	9.0	---	---	---	---
10	10.0	10.0	---	9.3	8.2	8.8	10.0	9.0	---	---	---	---
11	10.0	10.0	---	8.6	8.3	8.5	10.0	9.8	---	9.1	7.9	8.3
12	10.0	10.0	---	---	---	---	9.5	7.7	8.7	8.5	7.1	7.9
13	10.0	9.6	---	---	---	---	10.0	7.5	---	7.9	6.1	6.7
14	10.0	9.5	---	---	---	---	8.5	6.8	7.6	7.1	6.8	6.9
15	10.0	9.8	---	7.7	6.5	7.3	---	---	---	7.9	7.0	7.4
16	---	---	---	---	---	---	---	---	---	9.0	7.5	8.1
17	10.0	9.9	---	9.7	8.2	9.1	---	---	---	7.8	7.4	7.6
18	10.0	9.9	---	---	---	---	---	---	---	8.5	7.2	7.6
19	10.0	10.0	---	---	---	---	9.8	7.1	9.2	6.8	6.4	6.5
20	10.0	8.4	---	---	---	---	10.0	8.3	---	6.8	6.3	6.6
21	8.4	7.7	8.2	---	---	---	10.0	8.4	---	6.9	6.5	6.7
22	8.4	7.3	7.8	9.7	8.7	9.2	10.0	7.0	8.2	7.4	6.6	7.0
23	---	---	---	9.7	9.1	9.4	8.9	7.4	8.0	7.0	6.4	6.7
24	---	---	---	9.8	9.0	9.5	7.7	6.7	7.3	7.3	6.6	6.8
25	---	---	---	9.6	8.7	9.1	7.8	7.2	7.4	7.7	6.6	6.9
26	---	---	---	8.9	5.4	6.8	9.1	6.7	7.6	7.6	6.6	6.9
27	---	---	---	9.4	6.6	8.0	10.0	6.8	---	7.8	6.7	6.9
28	---	---	---	8.0	6.0	6.9	9.4	7.7	8.4	6.8	5.3	6.4
29	---	---	---	8.4	7.7	8.1	8.3	7.0	7.7	6.5	5.2	5.9
30	---	---	---	10.0	9.8	---	8.9	6.9	7.4	6.3	5.7	6.1
31	---	---	---	10.0	10.0	---	---	---	---	6.7	5.1	5.8
MONTH	---	---	---	---	---	---	10.0	6.7	---	9.6	3.4	7.0

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	6.5	6.9	7.6	6.7	7.2	5.9	4.9	5.5	7.0	4.9	5.5
2	7.8	6.6	6.9	6.6	5.3	6.0	6.2	5.0	5.8	7.5	2.9	4.6
3	7.7	6.2	6.6	6.7	5.5	6.1	6.0	4.9	5.3	7.4	3.5	5.2
4	7.2	6.2	6.4	6.8	4.8	5.8	7.8	5.6	6.0	7.2	5.0	5.6
5	7.8	6.4	6.7	7.4	5.0	5.9	6.8	4.7	5.6	7.7	4.4	5.7
6	7.9	6.0	7.1	7.7	7.2	7.5	5.8	4.4	5.1	7.6	5.2	6.6
7	8.1	6.0	7.0	---	---	---	6.4	4.7	5.5	7.0	5.0	5.8
8	7.6	5.8	6.4	---	---	---	6.6	4.7	5.6	7.1	5.4	5.8
9	7.8	6.4	6.8	7.9	5.0	5.2	7.4	4.5	5.4	6.9	4.7	5.2
10	6.8	5.2	6.2	6.9	4.9	5.2	7.6	5.4	6.2	7.1	4.5	5.7
11	6.6	5.6	6.2	7.1	4.6	5.3	---	---	---	7.3	4.6	5.8
12	5.8	4.1	4.9	6.7	4.6	5.4	---	---	---	6.4	3.5	5.4
13	6.8	5.0	5.7	6.6	5.1	5.6	---	---	---	5.3	3.7	4.4
14	7.2	6.0	6.6	7.0	5.1	5.5	---	---	---	7.0	5.1	5.8
15	8.6	6.4	6.8	7.0	5.0	5.4	---	---	---	6.4	5.1	5.7
16	7.4	5.9	6.4	5.6	4.9	5.1	6.2	4.9	5.3	6.4	5.3	5.8
17	7.0	5.9	6.3	6.7	5.1	5.4	7.1	5.7	6.2	5.8	4.5	5.4
18	6.2	3.5	4.4	7.1	5.1	6.0	7.2	2.8	4.5	6.0	4.7	5.4
19	5.9	4.1	5.0	7.3	5.5	6.3	5.3	3.5	4.5	5.0	4.2	4.6
20	6.9	5.7	6.2	6.1	4.7	5.5	6.1	3.3	4.9	5.5	4.6	5.1
21	6.7	4.9	5.7	6.5	4.7	5.4	7.3	5.5	6.1	6.1	4.0	4.9
22	6.2	4.9	5.6	7.5	4.7	5.1	7.3	5.8	6.3	---	---	---
23	5.8	5.1	5.4	7.0	4.7	5.4	7.4	4.1	5.5	6.0	5.8	5.9
24	5.9	5.1	5.6	7.4	3.3	5.2	5.9	4.8	5.3	5.8	4.2	5.2
25	6.2	5.5	5.8	6.1	4.3	5.1	6.3	4.3	5.2	---	---	---
26	5.9	5.3	5.6	6.0	3.5	4.6	---	---	---	5.8	3.5	5.1
27	6.7	5.3	5.8	6.2	4.7	5.4	---	---	---	6.1	3.5	4.9
28	8.8	5.5	6.7	---	---	---	---	---	---	5.5	3.7	4.6
29	8.6	6.7	7.5	8.1	5.3	6.7	---	---	---	5.3	4.4	4.8
30	8.4	7.2	7.6	7.8	3.6	4.9	---	---	---	5.9	5.0	5.4
31	---	---	---	5.8	5.1	5.3	8.0	4.5	5.7	---	---	---
MONTH	8.8	3.5	6.2	8.1	3.3	5.6	---	---	---	7.7	2.9	5.4

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	14.5	12.5	13.5	---	---	---
3	---	---	---	---	---	---	15.5	11.5	13.5	---	---	---
4	---	---	---	17.0	15.5	16.0	15.5	12.0	14.0	11.5	9.5	10.5
5	---	---	---	18.0	14.5	16.0	13.0	10.5	11.5	13.0	10.0	11.5
6	---	---	---	18.0	13.5	15.5	13.5	10.0	12.0	11.5	9.5	10.0
7	---	---	---	19.5	15.0	16.5	12.5	8.5	10.5	---	---	---
8	---	---	---	18.5	14.5	16.0	13.5	10.0	11.5	---	---	---
9	---	---	---	18.0	16.5	17.0	13.5	8.0	11.0	---	---	---
10	---	---	---	16.0	15.5	16.0	15.0	11.0	12.5	---	---	---
11	---	---	---	16.5	15.5	16.0	14.5	12.0	13.5	---	---	---
12	---	---	---	16.5	15.5	16.0	15.0	13.5	14.5	---	---	---
13	---	---	---	17.5	13.5	15.5	15.5	12.5	13.5	---	---	---
14	---	---	---	15.0	14.0	14.5	13.5	10.5	12.0	---	---	---
15	---	---	---	16.0	14.5	15.0	12.5	9.5	11.0	11.5	9.0	10.5
16	---	---	---	15.5	14.0	15.0	12.0	9.5	10.5	8.5	7.0	8.0
17	---	---	---	16.5	12.5	14.5	11.5	9.0	10.0	8.5	7.0	7.5
18	---	---	---	16.0	13.5	14.5	12.5	8.5	10.5	8.0	6.5	7.0
19	---	---	---	16.0	14.5	16.0	13.0	8.5	10.5	8.0	6.0	7.0
20	---	---	---	18.5	17.5	17.5	12.5	11.5	12.0	8.0	4.5	6.5
21	---	---	---	18.5	15.5	16.5	13.0	11.5	12.0	9.0	4.5	7.0
22	---	---	---	17.5	14.0	15.5	13.5	12.0	13.0	9.5	7.0	8.0
23	---	---	---	18.0	15.5	17.0	17.0	13.5	15.0	11.5	8.0	10.0
24	---	---	---	---	---	---	14.5	11.5	13.0	8.0	7.5	8.0
25	---	---	---	---	---	---	11.5	10.5	11.5	9.5	7.5	8.0
26	---	---	---	---	---	---	11.0	6.5	8.5	12.5	9.0	10.5
27	---	---	---	---	---	---	10.0	7.5	8.5	9.0	5.5	7.0
28	---	---	---	---	---	---	9.0	6.0	7.0	9.0	4.0	6.5
29	19.0	19.0	19.0	---	---	---	---	---	---	8.5	4.5	7.0
30	19.5	18.5	19.0	---	---	---	---	---	---	12.5	8.5	10.5
31	19.0	17.5	18.5	---	---	---	---	---	---	12.0	9.0	11.0
MONTH	---	---	---	---	---	---	17.0	6.0	11.5	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	5.5	7.0	---	---	---	---	---	---	20.5	16.0	18.0
2	7.5	4.5	6.0	11.5	11.0	11.0	---	---	---	21.0	18.0	19.0
3	6.5	6.0	6.5	11.0	10.5	10.5	---	---	---	20.0	17.0	18.5
4	7.0	6.0	6.5	---	---	---	---	---	---	20.0	15.5	19.0
5	9.0	6.5	7.5	---	---	---	14.5	13.5	14.0	22.5	16.5	19.5
6	10.5	5.5	8.0	---	---	---	13.0	11.5	12.5	22.5	18.0	20.0
7	7.5	6.5	7.0	---	---	---	14.5	10.0	11.5	24.0	18.5	21.5
8	7.5	6.0	7.0	---	---	---	---	---	---	24.0	19.5	21.5
9	8.0	5.0	6.5	12.5	9.5	11.0	---	---	---	23.5	20.0	22.0
10	7.5	3.0	5.5	11.0	9.0	10.0	---	---	---	24.5	19.5	21.5
11	9.0	3.5	6.0	14.0	9.5	10.5	---	---	---	22.0	18.0	20.0
12	9.5	4.5	7.5	---	---	---	---	---	---	22.5	19.5	21.0
13	9.0	5.0	7.0	---	---	---	24.0	17.5	20.5	21.0	19.0	20.0
14	8.0	3.5	6.0	---	---	---	20.0	17.0	18.0	21.0	18.0	19.5
15	6.0	4.5	5.0	17.0	15.0	16.0	---	---	---	19.5	18.0	19.0
16	---	---	---	---	---	---	---	---	---	21.5	17.5	19.5
17	9.5	7.0	8.0	14.5	10.0	12.5	---	---	---	23.0	17.0	20.5
18	11.5	6.0	8.5	---	---	---	---	---	---	24.0	18.5	21.5
19	11.0	6.5	9.0	---	---	---	21.5	15.5	18.0	23.5	18.5	21.0
20	11.5	9.5	10.5	---	---	---	19.5	14.5	16.5	23.5	19.0	21.5
21	11.5	10.5	11.0	---	---	---	18.5	15.5	17.0	23.0	19.5	21.0
22	14.5	11.0	13.0	16.5	12.5	14.0	21.0	16.0	18.5	24.0	18.5	21.0
23	---	---	---	15.5	11.5	13.0	15.5	13.5	14.5	23.0	18.0	21.0
24	---	---	---	---	---	---	19.0	14.5	16.5	21.5	19.5	20.5
25	---	---	---	---	---	---	19.5	15.0	17.5	21.5	19.0	20.0
26	---	---	---	---	---	---	21.5	17.0	19.5	22.5	18.5	20.5
27	---	---	---	---	---	---	20.0	17.0	19.0	24.0	18.5	21.0
28	---	---	---	---	---	---	21.0	16.5	18.5	21.0	17.5	19.0
29	---	---	---	14.5	13.0	14.0	20.5	17.0	19.0	18.0	16.0	17.0
30	---	---	---	14.5	11.5	13.5	18.5	16.5	18.0	18.5	17.0	17.5
31	---	---	---	---	---	---	---	---	---	23.5	17.5	20.5
MONTH	---	---	---	---	---	---	24.0	8.5	16.0	24.5	15.5	20.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	18.5	21.5	28.5	25.5	26.5	27.0	24.5	25.5	30.0	27.0	28.5
2	24.5	20.0	22.0	27.0	25.0	26.0	28.0	25.0	26.5	30.0	26.5	28.0
3	25.0	20.0	22.0	27.5	24.5	26.0	30.5	25.5	28.0	31.0	26.5	29.0
4	25.5	19.5	22.5	26.5	25.0	25.5	30.5	26.5	28.5	31.0	27.0	29.0
5	26.5	20.5	23.0	27.5	24.5	26.0	29.5	26.5	27.5	32.5	27.5	29.5
6	26.0	21.0	24.0	26.5	25.5	26.0	27.0	26.0	26.5	32.5	28.0	30.0
7	26.0	22.5	24.5	---	---	---	28.5	25.5	26.5	32.5	27.0	29.5
8	25.5	22.0	23.5	---	---	---	29.0	26.0	27.5	31.0	26.0	28.5
9	26.0	21.5	23.5	29.5	26.0	27.5	31.5	27.5	29.0	30.5	26.5	28.5
10	23.5	22.5	23.0	29.0	25.5	27.5	30.5	27.0	28.5	30.0	27.5	28.0
11	26.0	22.0	23.5	30.5	26.5	28.0	---	---	---	31.0	27.0	29.0
12	27.0	22.5	24.5	27.0	25.5	26.5	---	---	---	31.0	25.5	28.5
13	26.5	23.0	25.0	27.0	25.0	26.0	---	---	---	27.5	23.0	25.5
14	28.0	24.0	25.5	30.5	25.5	28.0	---	---	---	26.5	23.0	24.0
15	28.5	23.5	25.5	29.0	25.5	27.0	---	---	---	---	---	---
16	28.0	23.0	25.0	27.5	25.0	26.5	26.5	26.0	26.5	---	---	---
17	24.0	23.0	23.0	28.5	24.5	26.5	26.0	24.5	25.0	---	---	---
18	23.0	22.5	23.0	28.5	24.0	26.5	26.5	24.0	25.0	---	---	---
19	26.0	21.5	23.5	28.5	25.5	27.0	28.0	24.0	26.5	---	---	---
20	26.0	23.5	24.5	29.5	26.0	27.5	31.5	27.0	29.0	---	---	---
21	27.5	23.5	25.5	29.0	28.0	28.0	31.0	27.5	29.0	---	---	---
22	27.0	23.5	25.0	---	---	---	29.0	27.0	28.0	---	---	---
23	26.0	23.5	24.5	---	---	---	30.0	27.0	28.5	27.0	26.0	26.5
24	27.5	24.0	25.5	---	---	---	30.5	27.0	28.5	28.5	25.5	27.0
25	27.5	24.0	26.0	---	---	---	31.5	26.5	29.0	27.0	24.5	25.5
26	28.0	24.5	26.5	---	---	---	29.0	27.0	28.0	28.5	23.5	26.0
27	28.5	25.0	27.0	26.5	25.0	25.5	32.0	27.0	29.0	30.5	24.0	27.0
28	29.0	25.5	27.0	---	---	---	32.0	27.5	29.5	30.5	24.0	26.5
29	28.0	24.5	26.0	28.5	27.0	28.0	31.5	26.5	29.0	28.5	23.5	26.0
30	27.5	24.5	26.0	27.5	25.0	26.5	32.0	26.5	29.0	28.0	24.0	26.0
31	---	---	---	27.0	24.0	25.5	31.0	27.5	29.0	---	---	---
MONTH	29.0	18.5	24.5	---	---	---	32.0	24.0	28.0	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	7.4	6.1	7.4	---	---	---
3	---	---	---	---	---	---	7.7	6.6	7.4	---	---	---
4	---	---	---	7.2	6.3	7.0	7.7	6.2	7.3	8.1	6.9	7.7
5	---	---	---	7.4	6.1	7.1	7.9	7.4	7.5	8.4	7.0	7.8
6	---	---	---	7.4	6.1	7.1	8.0	7.3	7.5	7.6	7.2	7.4
7	---	---	---	7.4	7.0	7.3	8.2	7.1	7.6	---	---	---
8	---	---	---	7.6	7.3	7.5	7.8	6.7	7.5	---	---	---
9	---	---	---	7.3	6.0	6.9	7.7	6.5	7.4	---	---	---
10	---	---	---	7.4	6.1	7.0	7.6	6.1	7.3	---	---	---
11	---	---	---	7.4	6.2	7.2	7.9	6.5	7.4	---	---	---
12	---	---	---	7.3	7.0	7.1	7.6	7.1	7.3	---	---	---
13	---	---	---	---	---	---	7.7	7.3	7.4	---	---	---
14	---	---	---	---	---	---	8.2	7.2	7.6	---	---	---
15	---	---	---	---	---	---	7.7	6.7	7.3	6.7	5.4	6.2
16	---	---	---	7.3	6.9	7.0	7.3	5.9	7.0	---	---	---
17	---	---	---	7.3	5.7	6.9	7.2	6.0	6.9	---	---	---
18	---	---	---	7.2	6.8	6.9	7.4	6.1	7.1	---	---	---
19	---	---	---	---	---	---	7.4	7.2	7.3	---	---	---
20	---	---	---	---	---	---	7.5	7.3	7.5	---	---	---
21	---	---	---	---	---	---	7.4	6.8	7.3	---	---	---
22	---	---	---	---	---	---	7.3	6.1	6.9	---	---	---
23	---	---	---	---	---	---	7.4	6.4	7.0	---	---	---
24	---	---	---	---	---	---	7.0	6.3	6.7	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	7.6	6.9	7.1	7.4	7.1	7.2
2	---	---	---	---	---	---	7.1	6.9	7.0	7.5	7.1	7.3
3	---	---	---	---	---	---	7.7	6.9	7.2	7.4	7.0	7.2
4	---	---	---	---	---	---	---	---	---	7.5	7.1	7.3
5	---	---	---	---	---	---	8.9	8.0	8.3	7.5	7.1	7.3
6	---	---	---	---	---	---	8.0	7.7	7.8	7.3	6.7	7.1
7	---	---	---	---	---	---	8.6	7.3	8.0	7.4	6.8	7.1
8	---	---	---	---	---	---	8.1	7.3	7.7	7.2	6.6	7.0
9	---	---	---	---	---	---	7.8	7.2	7.5	7.1	6.9	7.0
10	---	---	---	---	---	---	7.7	7.3	7.5	7.1	6.9	7.0
11	---	---	---	---	---	---	7.8	6.3	7.4	7.4	7.1	7.3
12	---	---	---	---	---	---	7.8	7.2	7.5	7.4	7.0	7.2
13	---	---	---	---	---	---	7.9	5.8	7.5	7.2	6.8	7.0
14	---	---	---	---	---	---	7.4	7.3	7.4	7.3	7.0	7.2
15	---	---	---	---	---	---	---	---	---	7.5	7.3	7.3
16	---	---	---	---	---	---	---	---	---	7.3	7.2	7.3
17	7.7	6.4	7.2	---	---	---	---	---	---	7.4	7.0	7.3
18	7.5	6.5	7.3	---	---	---	---	---	---	7.5	6.0	7.2
19	7.5	7.0	7.3	---	---	---	8.3	7.5	7.8	---	---	---
20	7.4	7.2	7.3	---	---	---	8.3	7.5	7.8	---	---	---
21	7.5	7.3	7.4	---	---	---	7.8	7.2	7.5	---	---	---
22	7.6	6.8	7.4	7.4	6.2	7.0	8.0	7.4	7.6	---	---	---
23	---	---	---	7.1	6.3	7.0	7.7	7.4	7.6	---	---	---
24	---	---	---	7.5	6.7	7.1	7.7	7.4	7.5	---	---	---
25	---	---	---	7.8	6.5	7.2	7.7	7.3	7.5	---	---	---
26	---	---	---	---	---	---	7.8	6.8	7.5	---	---	---
27	---	---	---	8.1	7.1	7.3	8.0	6.4	7.5	---	---	---
28	---	---	---	7.2	6.9	7.1	7.5	6.9	7.2	---	---	---
29	---	---	---	7.0	6.8	7.0	7.3	6.9	7.2	---	---	---
30	---	---	---	7.3	6.1	6.9	7.3	7.2	7.3	---	---	---
31	---	---	---	7.8	6.3	7.1	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	8.9	5.8	7.5	---	---	---

02147020 CATAWBA RIVER NEAR CATAWBA, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	6.6	7.1	---	---	---	---	---	---	---	---	---
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	---	---	---	---	---	---
4	---	---	---	---	---	---	---	---	---	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	8.3	6.9	8.0	---	---	---
7	7.1	6.5	6.7	---	---	---	8.1	6.7	7.6	---	---	---
8	---	---	---	---	---	---	7.8	5.4	7.2	---	---	---
9	---	---	---	---	---	---	7.3	5.7	6.8	---	---	---
10	---	---	---	---	---	---	6.8	5.8	6.4	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	---	---	---
13	---	---	---	---	---	---	---	---	---	---	---	---
14	7.3	7.3	7.3	---	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	---	---	---	---	---	---
17	---	---	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	7.6	6.8	7.4
26	---	---	---	---	---	---	---	---	---	8.1	6.6	7.4
27	---	---	---	---	---	---	---	---	---	7.7	6.9	7.4
28	7.3	6.9	7.0	---	---	---	---	---	---	7.6	6.7	7.3
29	7.5	6.9	7.2	---	---	---	---	---	---	7.6	6.8	7.3
30	7.9	7.0	7.4	---	---	---	---	---	---	7.3	6.3	7.1
31	---	---	---	---	---	---	---	---	---	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.

LOCATION.--Lat 34°42'22", long 80°51'54", Chester County, on left bank at downstream side of Lancaster and Chester Railroad bridge, 0.8 mile upstream from Cane Creek, and 1.7 miles east of Fort Lawn.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Water temperatures: October 1970 to September 1971.

REMARKS.--Record of hourly values available in district office, Columbia, S.C. Dissolved oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	155	93	123	---	---	---	217	176	188
2	---	---	---	118	92	99	---	---	---	236	187	201
3	---	---	---	194	113	149	---	---	---	208	181	194
4	---	---	---	219	195	212	235	199	212	195	174	183
5	---	---	---	222	153	198	257	215	237	196	140	145
6	---	---	---	167	137	155	254	207	224	168	156	161
7	---	---	---	178	137	153	236	213	219	187	161	159
8	---	---	---	162	144	153	196	189	191	186	180	183
9	149	143	145	201	154	170	196	189	189	184	151	172
10	159	144	149	207	158	190	---	---	---	180	150	170
11	169	155	162	180	146	157	204	198	199	192	144	160
12	174	169	170	201	180	190	247	204	237	148	135	140
13	---	---	---	213	155	204	243	230	238	155	140	146
14	---	---	---	197	188	190	---	---	---	154	137	145
15	---	---	---	216	190	206	222	198	208	154	132	140
16	---	---	---	211	207	208	212	190	197	---	---	---
17	---	---	---	238	178	201	204	162	175	---	---	---
18	---	---	---	188	166	173	207	171	187	184	141	159
19	---	---	---	202	168	185	200	171	189	176	140	148
20	---	---	---	222	195	212	271	168	182	157	138	146
21	190	165	177	---	---	---	---	---	---	153	139	144
22	195	151	165	---	---	---	252	232	240	154	127	134
23	215	199	207	---	---	---	231	190	208	142	123	131
24	234	204	222	194	174	183	261	204	218	169	125	142
25	215	207	211	193	180	183	208	17[illegible]	194	133	116	122
26	232	218	225	---	---	---	214	175	184	120	96	106
27	253	232	238	197	184	191	217	178	193	151	104	130
28	257	167	203	366	195	279	197	173	184	141	123	132
29	180	159	175	366	205	327	220	185	191	136	126	132
30	180	134	154	227	204	208	207	184	192	144	118	131
31	193	133	172	---	---	---	206	183	190	157	113	129
MONTH	---	---	---	366	92	188	271	162	203	236	96	151

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	151	116	128	---	---	---	162	142	153
2	136	124	130	114	92	100	---	---	---	139	125	133
3	135	131	132	100	68	81	---	---	---	163	130	139
4	135	131	133	71	69	70	---	---	---	188	169	182
5	138	117	130	---	---	---	---	---	---	188	170	176
6	126	113	120	---	---	---	---	---	---	180	133	144
7	121	98	114	---	---	---	---	---	---	151	132	142
8	112	88	96	---	---	---	---	---	---	166	135	153
9	99	87	92	116	94	107	---	---	---	172	133	144
10	121	95	106	119	105	115	---	---	---	172	143	154
11	134	111	121	119	93	110	---	---	---	159	131	144
12	130	118	123	115	92	104	---	---	---	155	123	143
13	125	114	119	153	118	140	---	---	---	128	85	102
14	137	121	129	143	98	118	---	---	---	96	86	89
15	126	100	113	157	109	135	---	---	---	133	98	116
16	112	94	101	159	94	126	---	---	---	111	85	96
17	129	96	117	115	93	101	---	---	---	114	87	94
18	133	96	121	120	106	111	---	---	---	129	111	109
19	145	117	129	128	97	114	113	111	111	127	118	121
20	133	117	127	124	117	119	---	---	---	123	113	117
21	137	116	121	150	117	128	---	---	---	111	97	103
22	155	137	147	142	116	124	---	---	---	111	94	101
23	176	110	133	146	106	121	---	---	---	112	97	104
24	118	100	112	126	109	119	---	---	---	115	99	106
25	132	99	116	130	115	119	---	---	---	116	97	102
26	120	112	114	125	115	118	117	114	115	111	94	99
27	112	89	106	135	108	122	165	115	138	122	94	101
28	116	94	105	126	106	111	162	121	137	102	97	99
29	---	---	---	---	---	---	137	123	133	144	106	125
30	---	---	---	---	---	---	150	122	131	147	137	143
31	---	---	---	---	---	---	---	---	---	161	118	134
MONTH	176	87	119	---	---	---	---	---	---	188	85	125

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	125	91	103	82	72	75	125	116	121	167	140	150
2	115	89	99	132	87	110	130	127	128	147	126	132
3	120	90	99	164	130	140	150	129	134	198	122	164
4	124	92	100	---	---	---	146	111	119	164	149	152
5	121	95	100	---	---	---	150	118	127	152	147	150
6	---	---	---	---	---	---	149	130	140	152	133	146
7	133	86	105	---	---	---	129	123	125	191	141	152
8	114	82	92	---	---	---	120	110	115	188	152	159
9	127	88	96	---	---	---	169	128	142	183	150	169
10	145	98	111	---	---	---	172	125	149	182	152	166
11	137	99	108	---	---	---	143	120	126	153	146	150
12	122	97	105	103	85	96	144	123	127	---	---	---
13	114	88	91	125	102	109	127	119	122	---	---	---
14	101	95	97	138	103	124	164	120	144	165	152	160
15	---	---	---	115	94	95	172	144	163	178	136	153
16	---	---	---	128	93	97	160	141	149	161	120	147
17	---	---	---	140	90	105	160	140	150	186	157	165
18	---	---	---	129	92	106	152	143	147	173	148	156
19	---	---	---	101	93	97	168	145	158	178	152	162
20	---	---	---	---	---	---	178	132	147	168	157	161
21	---	---	---	---	---	---	172	114	127	157	148	151
22	---	---	---	---	---	---	135	117	120	157	145	147
23	107	87	94	---	---	---	126	110	119	162	150	153
24	126	96	114	---	---	---	168	124	132	164	152	157
25	92	84	86	---	---	---	125	119	122	158	153	155
26	86	82	84	172	155	163	165	111	127	186	158	173
27	88	83	85	153	123	138	186	128	166	194	157	162
28	133	87	111	160	147	153	197	124	165	162	139	150
29	108	85	91	157	134	141	191	142	154	164	131	151
30	90	76	80	159	120	140	153	141	147	170	132	148
31	---	---	---	181	109	130	170	114	134	---	---	---
MONTH	---	---	---	---	---	---	197	110	137	198	120	155

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.6	5.8	6.2	---	---	---	10.0	9.9	---
2	---	---	---	6.8	5.3	6.4	---	---	---	10.0	9.9	---
3	---	---	---	7.1	6.5	6.9	---	---	---	10.0	10.0	---
4	---	---	---	8.3	6.8	7.1	8.7	7.5	7.9	10.0	9.9	---
5	---	---	---	8.2	7.4	7.7	8.0	7.4	7.7	10.0	9.1	---
6	---	---	---	8.6	7.6	7.9	9.5	7.7	8.2	9.6	8.1	8.8
7	---	---	---	8.3	7.3	7.8	10.0	8.5	8.9	10.0	8.7	---
8	---	---	---	8.5	7.5	7.9	10.0	9.3	---	9.9	9.7	9.8
9	7.6	6.4	7.0	8.7	7.1	8.0	10.0	9.8	---	10.0	9.7	---
10	7.0	5.4	6.1	7.6	7.0	7.3	---	---	---	10.0	9.7	---
11	6.7	5.2	5.8	7.9	7.2	7.6	9.6	9.0	9.3	10.0	9.6	---
12	6.3	4.7	5.3	8.1	6.7	7.3	10.0	8.7	---	10.0	9.5	---
13	---	---	---	7.3	6.4	6.9	8.6	7.6	8.0	10.0	9.0	---
14	---	---	---	8.6	6.6	7.7	---	---	---	9.7	9.2	9.4
15	---	---	---	7.8	6.8	7.2	9.9	8.9	9.2	9.5	8.9	9.2
16	---	---	---	7.1	7.1	7.1	9.3	8.8	9.1	9.7	9.0	9.2
17	---	---	---	9.1	7.6	8.2	9.3	8.7	9.1	9.8	9.5	9.7
18	---	---	---	8.7	8.0	8.2	9.1	7.2	8.1	10.0	9.7	---
19	---	---	---	8.2	7.5	7.9	9.6	8.6	9.1	10.0	9.9	---
20	---	---	---	8.6	7.2	7.6	9.9	8.7	9.2	10.0	10.0	---
21	7.2	6.1	6.9	---	---	---	9.0	7.4	8.3	10.0	10.0	---
22	8.0	6.8	7.3	---	---	---	8.7	8.4	8.6	10.0	9.6	---
23	7.4	5.8	6.8	---	---	---	9.2	8.1	8.6	10.0	9.5	---
24	6.8	5.5	6.1	10.0	9.3	---	8.0	7.4	7.7	9.5	8.6	9.0
25	7.5	5.2	6.6	9.7	9.4	9.5	8.4	7.9	8.1	10.0	9.2	---
26	7.3	5.6	6.0	---	---	---	9.8	8.5	8.8	10.0	10.0	---
27	7.8	6.2	6.7	9.7	9.3	9.5	10.0	9.7	---	10.0	9.8	---
28	7.4	6.1	6.7	9.5	9.3	9.4	10.0	9.9	---	10.0	10.0	---
29	8.1	7.1	7.6	9.8	9.3	9.6	10.0	10.0	---	10.0	10.0	---
30	8.1	6.5	7.2	9.7	8.4	9.[illegible]	10.0	10.0	---	10.0	10.0	---
31	7.9	5.8	6.8	---	---	---	10.0	9.9	---	10.0	9.5	---
MONTH	---	---	---	10.0	5.3	7.8	10.0	7.2	---	10.0	8.1	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	9.2	---	8.7	7.7	8.3	---	---	---	7.9	7.1	7.5
2	10.0	10.0	---	9.9	8.8	9.4	---	---	---	8.4	7.4	8.0
3	10.0	10.0	---	9.7	9.1	9.4	---	---	---	8.4	7.1	7.7
4	10.0	10.0	---	9.5	9.3	9.3	---	---	---	7.8	7.1	7.4
5	10.0	10.0	---	---	---	---	---	---	---	8.6	7.4	8.2
6	10.0	10.0	---	---	---	---	---	---	---	8.5	7.0	7.7
7	10.0	10.0	---	---	---	---	---	---	---	8.8	7.1	7.6
8	10.0	10.0	---	---	---	---	---	---	---	8.0	6.7	7.2
9	10.0	10.0	---	9.8	9.5	9.7	---	---	---	7.4	6.3	6.6
10	10.0	10.0	---	9.6	9.3	9.5	---	---	---	6.9	5.5	6.2
11	10.0	10.0	---	9.4	9.1	9.3	---	---	---	8.0	5.8	6.9
12	10.0	10.0	---	9.4	8.9	9.1	---	---	---	7.7	6.6	7.2
13	10.0	10.0	---	8.8	7.9	8.3	---	---	---	7.5	6.6	7.1
14	10.0	10.0	---	8.5	8.0	8.2	---	---	---	7.1	6.3	6.6
15	10.0	10.0	---	8.7	7.5	7.9	---	---	---	7.5	6.6	7.0
16	10.0	10.0	---	9.1	7.4	8.1	---	---	---	8.1	7.0	7.5
17	10.0	10.0	---	9.4	8.5	8.9	---	---	---	7.5	7.0	7.3
18	10.0	10.0	---	9.7	9.0	9.2	---	---	---	7.6	6.6	7.2
19	10.0	10.0	---	9.2	8.7	9.1	---	---	---	7.2	6.3	6.6
20	10.0	9.8	---	9.3	8.8	9.0	---	---	---	7.0	6.3	6.6
21	10.0	9.4	---	9.2	8.5	8.9	---	---	---	6.9	6.2	6.7
22	9.4	8.3	8.8	9.5	8.5	8.9	---	---	---	7.2	6.7	6.9
23	9.3	7.8	8.3	9.3	8.4	8.9	---	---	---	7.3	6.6	6.9
24	10.0	8.9	---	9.4	8.5	8.8	---	---	---	7.4	4.4	6.4
25	10.0	9.6	---	9.3	8.7	8.9	---	---	---	7.4	6.5	7.0
26	9.9	9.5	9.7	9.6	9.0	9.2	8.4	7.0	7.8	7.1	6.4	6.8
27	9.8	9.4	9.6	9.5	8.4	9.1	8.9	7.1	8.0	7.5	6.1	6.7
28	9.5	8.7	9.0	8.8	8.4	8.7	9.0	7.3	8.1	7.3	6.5	6.8
29	---	---	---	---	---	---	8.1	7.3	7.6	7.5	6.4	7.0
30	---	---	---	---	---	---	8.2	7.2	7.5	7.1	6.2	6.7
31	---	---	---	---	---	---	---	---	---	8.0	6.8	7.3
MONTH	10.0	7.8	---	---	---	---	---	---	---	8.8	4.4	7.1

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.9	7.0	7.5	7.3	6.5	7.0	6.4	5.6	5.9	6.8	5.3	5.8
2	7.7	6.5	7.1	7.2	5.3	6.7	6.1	4.5	5.6	7.7	6.3	7.0
3	7.6	4.7	6.7	6.9	5.4	6.1	6.2	5.0	5.9	8.4	5.9	6.7
4	7.2	5.9	6.4	---	---	---	7.6	5.0	6.0	7.1	6.2	6.6
5	7.0	5.7	6.3	---	---	---	6.8	5.2	5.8	7.4	6.7	7.0
6	---	---	---	---	---	---	6.2	5.0	5.6	8.2	6.8	7.4
7	7.2	6.3	6.8	---	---	---	6.7	5.8	6.3	8.9	6.0	7.8
8	7.5	6.4	6.8	---	---	---	6.6	5.2	6.0	8.5	5.5	6.8
9	7.7	6.4	6.9	---	---	---	7.0	5.5	6.4	6.4	5.0	5.9
10	6.8	5.3	6.2	---	---	---	7.1	5.3	6.9	6.3	4.7	5.3
11	6.7	5.1	6.0	---	---	---	6.8	5.2	5.8	5.6	5.2	5.5
12	6.3	5.2	5.6	6.9	5.9	6.2	6.4	5.6	5.9	---	---	---
13	6.1	5.4	5.7	6.8	6.0	6.3	7.1	6.6	6.8	---	---	---
14	8.5	6.1	6.6	7.1	5.7	6.4	7.6	6.1	7.0	5.8	5.5	5.7
15	---	---	---	6.8	5.1	5.9	7.9	5.9	6.5	7.3	6.2	6.7
16	---	---	---	6.7	5.1	5.8	7.6	5.3	6.7	7.9	6.8	7.0
17	---	---	---	6.4	4.7	5.3	7.8	6.3	6.5	8.1	6.9	7.4
18	---	---	---	6.5	5.1	5.8	7.8	6.8	7.3	8.3	7.3	7.8
19	---	---	---	6.8	6.4	6.6	7.7	5.9	6.6	8.6	7.1	7.8
20	---	---	---	---	---	---	7.7	5.2	6.4	7.9	5.1	6.0
21	---	---	---	---	---	---	7.0	4.2	5.8	7.1	5.9	6.3
22	---	---	---	---	---	---	6.9	4.6	5.8	8.7	5.6	6.3
23	6.4	5.8	6.1	---	---	---	8.1	6.5	7.0	9.3	6.0	7.3
24	6.7	5.6	6.1	---	---	---	6.1	5.0	5.6	6.5	5.1	5.4
25	6.6	6.2	6.3	---	---	---	7.2	6.0	6.5	8.1	6.0	6.5
26	6.5	6.1	6.3	6.5	5.6	6.0	6.9	5.7	6.3	7.5	6.2	6.7
27	6.7	5.1	5.9	7.3	5.5	6.3	6.2	5.0	5.4	7.4	5.8	6.4
28	7.0	6.0	6.5	7.1	5.6	6.4	6.5	4.6	5.3	7.4	6.2	6.6
29	6.9	6.1	6.3	7.2	5.8	6.5	5.3	4.4	4.9	7.5	6.3	6.7
30	6.9	5.9	6.4	7.4	6.1	6.7	6.2	5.1	5.5	7.2	5.6	6.3
31	---	---	---	6.0	5.1	5.5	7.3	6.1	6.5	---	---	---
MONTH	---	---	---	---	---	---	8.1	4.2	6.2	9.3	4.7	6.6

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	18.5	17.5	17.5	---	---	---	9.0	7.5	8.0
2	---	---	---	18.0	17.0	17.0	---	---	---	8.5	7.5	8.0
3	---	---	---	19.0	17.0	17.5	---	---	---	8.5	7.0	8.0
4	---	---	---	17.5	15.0	16.5	14.5	14.0	14.0	10.0	8.0	9.5
5	---	---	---	16.0	14.0	15.0	13.0	12.0	12.5	12.0	10.0	11.5
6	---	---	---	17.0	14.5	15.5	12.5	11.0	12.0	11.0	10.5	11.0
7	---	---	---	17.5	15.0	16.0	11.5	10.5	11.0	10.0	8.0	9.0
8	---	---	---	17.5	15.0	16.5	11.5	10.5	10.5	9.0	8.0	8.5
9	24.0	22.5	23.5	18.0	15.5	16.5	10.5	10.0	10.5	8.0	7.5	8.0
10	24.5	22.5	23.5	16.5	16.0	16.0	---	---	---	8.0	7.0	7.5
11	25.0	23.0	24.0	16.5	16.0	16.5	15.0	11.5	12.0	8.5	6.5	7.5
12	24.5	23.0	23.5	17.0	16.5	16.5	14.0	12.0	13.0	10.0	8.5	9.0
13	---	---	---	17.5	15.5	16.0	13.0	12.5	13.0	10.0	8.5	9.0
14	---	---	---	17.0	15.5	16.0	---	---	---	10.0	9.0	9.5
15	---	---	---	16.0	14.5	15.5	11.0	10.0	10.5	10.5	9.0	9.5
16	---	---	---	15.0	14.5	15.0	10.5	10.0	10.5	9.5	8.0	8.5
17	---	---	---	14.5	12.5	13.5	10.5	10.0	10.0	8.0	7.5	8.0
18	---	---	---	14.5	13.5	14.0	10.5	9.5	9.5	7.5	7.0	7.5
19	---	---	---	15.0	13.5	14.5	11.5	10.0	10.5	7.5	6.0	7.0
20	---	---	---	15.0	11.5	14.0	11.5	10.0	10.5	7.0	5.5	6.5
21	19.0	17.0	18.0	---	---	---	11.0	10.5	10.5	7.0	5.5	6.5
22	20.0	19.0	19.0	---	---	---	13.0	11.0	12.0	7.5	6.0	7.0
23	21.5	18.5	19.5	---	---	---	14.5	12.5	13.5	9.0	7.5	8.5
24	21.0	18.5	19.5	12.0	10.5	11.5	14.5	12.5	13.5	8.5	7.5	8.0
25	20.5	19.0	19.5	11.0	10.5	11.0	12.5	10.0	11.5	7.5	7.0	7.5
26	21.0	19.0	19.0	---	---	---	9.5	8.0	9.0	9.0	7.5	8.0
27	20.0	18.5	19.0	11.5	10.5	11.0	9.0	7.0	8.0	8.0	5.5	6.5
28	19.5	18.0	18.5	11.0	10.5	10.5	9.0	7.5	8.5	6.5	5.0	5.5
29	19.5	18.5	19.0	---	---	---	8.0	7.5	8.0	7.0	5.5	6.0
30	19.0	18.5	18.5	13.0	11.5	12.5	8.5	7.0	8.0	9.0	6.0	7.5
31	18.5	17.5	18.0	---	---	---	8.5	7.5	8.0	9.0	8.5	8.5
MONTH	---	---	---	19.0	10.5	15.0	15.0	7.0	11.0	12.0	5.0	8.0

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.5	6.0	7.0	13.0	11.5	12.0	---	---	---	19.5	16.5	18.0
2	6.0	5.0	5.5	11.5	9.5	10.5	---	---	---	20.0	18.0	19.0
3	6.5	6.0	6.0	11.5	9.5	10.5	---	---	---	18.5	17.0	17.5
4	6.0	6.0	6.0	10.0	9.0	9.5	---	---	---	18.5	17.0	17.5
5	6.5	6.0	6.0	---	---	---	---	---	---	20.5	17.5	19.0
6	7.0	5.0	6.0	---	---	---	---	---	---	20.5	18.5	19.5
7	6.5	5.5	6.0	---	---	---	---	---	---	22.5	19.0	20.5
8	6.5	6.0	6.0	---	---	---	---	---	---	23.0	20.0	21.5
9	6.0	5.0	5.5	10.5	9.0	10.0	---	---	---	2.5	20.5	21.0
10	6.0	4.5	5.0	10.0	9.0	9.5	---	---	---	3.0	20.0	21.5
11	6.5	5.0	5.5	11.0	9.0	10.0	---	---	---	21.5	19.5	20.5
12	7.0	5.0	6.0	12.5	9.5	11.0	---	---	---	22.5	19.5	20.5
13	7.5	5.0	6.5	14.0	9.5	12.0	---	---	---	20.0	18.5	19.5
14	7.0	5.0	5.5	15.0	13.5	14.5	---	---	---	19.0	18.5	18.5
15	6.5	5.0	5.5	16.0	15.0	15.5	---	---	---	19.0	18.5	19.0
16	8.0	6.0	6.5	15.5	13.0	14.0	---	---	---	19.5	17.5	18.5
17	8.5	5.0	7.0	13.0	11.5	12.0	---	---	---	20.0	17.5	18.5
18	10.0	6.5	8.0	13.0	10.0	11.5	---	---	---	22.0	20.0	21.0
19	10.0	7.5	8.5	12.0	10.0	11.0	20.5	19.5	20.0	21.5	20.0	21.0
20	10.0	9.0	9.5	11.0	9.5	10.5	---	---	---	21.5	20.5	21.0
21	10.5	9.5	10.0	11.5	9.5	10.0	---	---	---	21.5	19.5	20.5
22	13.0	10.5	12.0	13.0	11.5	12.0	---	---	---	22.0	19.0	21.0
23	12.0	10.0	11.0	13.5	11.5	12.5	---	---	---	23.0	20.0	21.5
24	10.0	9.0	9.5	13.0	11.0	11.5	---	---	---	22.5	21.0	21.5
25	10.0	8.5	9.0	11.5	8.5	10.0	---	---	---	22.0	20.0	21.0
26	9.5	9.0	9.0	9.0	8.0	8.5	21.0	18.0	19.0	23.5	20.5	21.5
27	12.0	9.0	10.5	10.5	8.0	9.0	20.5	18.0	19.0	24.0	21.0	22.0
28	12.0	9.5	10.5	11.0	9.5	10.0	21.0	17.5	19.0	22.5	20.5	21.5
29	---	---	---	---	---	---	19.0	17.5	18.5	20.5	18.0	19.0
30	---	---	---	---	---	---	18.0	17.0	17.5	18.5	18.0	18.0
31	---	---	---	---	---	---	---	---	---	22.5	18.5	20.0
MONTH	13.0	4.5	7.5	---	---	---	---	---	---	24.0	16.5	20.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.0	21.0	22.0	27.5	26.5	27.0	26.5	24.5	25.5	29.0	27.5	28.0
2	24.0	21.5	22.5	28.5	26.0	27.0	27.0	25.0	26.5	28.5	26.5	27.5
3	25.0	22.0	22.5	28.0	26.5	27.0	29.0	26.0	27.0	29.0	25.5	27.5
4	25.0	21.5	22.5	---	---	---	33.5	27.0	29.0	29.5	27.0	28.0
5	25.5	22.0	23.0	---	---	---	28.5	27.0	28.0	28.5	27.0	27.5
6	---	---	---	---	---	---	27.0	26.5	27.0	29.0	27.5	28.0
7	26.5	24.0	25.0	---	---	---	29.5	26.5	27.5	29.5	27.0	28.0
8	25.0	23.0	23.5	---	---	---	29.0	27.0	27.5	28.0	26.5	27.5
9	25.0	22.5	23.5	---	---	---	31.5	28.5	29.5	28.5	26.5	27.5
10	24.0	23.0	23.5	---	---	---	33.0	28.0	30.0	27.5	27.0	27.0
11	26.0	23.0	24.0	---	---	---	28.5	27.0	27.5	30.5	27.0	28.0
12	26.5	23.5	24.5	26.0	25.5	25.5	27.5	26.5	27.0	---	---	---
13	25.5	24.0	24.5	25.5	25.0	25.0	27.5	26.5	27.0	---	---	---
14	26.0	25.0	25.5	28.0	24.0	25.5	27.5	26.0	27.0	24.0	23.0	23.5
15	---	---	---	27.5	26.0	26.5	28.0	26.0	27.0	28.0	23.0	25.0
16	---	---	---	27.5	26.0	26.5	27.5	26.0	26.5	27.5	26.0	26.5
17	---	---	---	28.5	26.0	26.5	26.0	25.0	25.5	26.5	25.5	26.0
18	---	---	---	29.5	26.5	27.5	25.5	24.5	24.5	26.5	26.0	26.0
19	---	---	---	29.0	28.0	28.5	25.5	24.0	25.0	26.5	25.0	25.5
20	---	---	---	---	---	---	32.0	25.5	27.5	26.5	24.0	25.5
21	---	---	---	---	---	---	30.5	27.5	28.5	28.0	26.0	26.5
22	---	---	---	---	---	---	28.0	27.0	27.5	26.5	24.0	25.5
23	25.5	24.5	25.0	---	---	---	28.0	27.0	27.5	25.5	25.0	25.0
24	27.0	24.0	25.5	---	---	---	28.0	27.0	27.0	26.0	25.0	25.5
25	26.0	24.5	25.5	---	---	---	29.5	27.0	28.0	25.5	24.5	25.0
26	26.5	25.0	26.0	29.0	28.0	28.0	28.0	26.5	27.0	25.0	23.5	24.0
27	27.5	25.5	26.5	28.5	27.0	28.0	28.0	27.0	27.5	26.0	24.0	25.0
28	31.0	26.0	28.0	29.5	27.0	28.0	29.0	26.5	27.5	26.0	24.5	25.0
29	27.0	25.5	26.5	29.0	27.0	28.0	28.5	27.0	27.5	25.5	24.0	24.5
30	27.0	25.5	26.0	28.5	26.5	27.5	29.5	27.0	28.0	25.5	24.0	24.5
31	---	---	---	26.5	25.0	25.5	28.5	27.0	28.0	---	---	---
MONTH	---	---	---	---	---	---	33.5	24.0	27.5	30.5	23.0	26.0

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.9	6.5	6.7	---	---	---	7.7	7.3	7.5
2	---	---	---	6.9	6.5	6.7	---	---	---	7.6	7.3	7.5
3	---	---	---	7.3	6.8	7.1	---	---	---	7.7	7.4	7.5
4	---	---	---	7.6	7.3	7.4	7.1	6.9	7.0	7.7	7.3	7.5
5	---	---	---	7.6	7.3	7.4	7.3	7.1	7.1	7.5	6.9	7.1
6	---	---	---	7.4	7.1	7.3	7.4	7.1	7.2	7.3	7.1	7.2
7	---	---	---	7.4	7.0	7.3	7.4	7.2	7.3	7.4	7.1	7.3
8	---	---	---	7.5	7.1	7.3	7.8	7.2	7.4	7.5	7.4	7.4
9	7.6	7.2	7.4	7.5	7.2	7.4	---	---	---	7.5	7.4	7.4
10	7.5	7.1	7.3	7.3	7.1	7.2	---	---	---	7.5	7.3	7.5
11	7.5	7.2	7.3	7.2	6.9	7.1	---	---	---	7.6	7.4	7.5
12	7.6	7.3	7.5	7.4	7.0	7.2	---	---	---	7.6	7.2	7.3
13	---	---	---	7.3	7.0	7.2	---	---	---	7.5	7.1	7.4
14	---	---	---	7.3	7.0	7.2	---	---	---	7.4	7.2	7.3
15	---	---	---	7.3	7.0	7.1	7.6	7.2	7.4	7.4	7.2	7.3
16	---	---	---	7.2	7.2	7.2	7.4	7.2	7.3	7.5	7.3	7.4
17	---	---	---	7.3	7.0	7.2	7.3	7.0	7.1	7.5	7.3	7.4
18	---	---	---	7.2	7.1	7.2	7.2	6.8	7.0	7.6	7.2	7.4
19	---	---	---	7.2	7.0	7.1	7.4	7.0	7.2	7.6	7.3	7.4
20	---	---	---	7.3	6.8	7.1	7.2	6.9	7.0	7.5	7.4	7.5
21	7.3	7.1	7.2	---	---	---	7.2	6.8	7.0	7.6	7.4	7.5
22	7.4	7.1	7.3	---	---	---	7.3	7.2	7.2	7.5	7.3	7.4
23	7.4	7.2	7.3	---	---	---	7.3	7.0	7.2	7.5	7.3	7.3
24	7.4	7.2	7.3	7.3	7.1	7.2	7.4	7.1	7.2	7.5	7.3	7.4
25	7.5	7.2	7.3	7.3	7.2	7.2	7.3	7.2	7.2	7.4	7.2	7.3
26	7.4	7.2	7.2	---	---	---	7.6	7.3	7.4	7.4	7.1	7.2
27	7.7	7.3	7.4	7.1	6.9	7.0	7.6	7.5	7.6	7.5	7.2	7.4
28	7.4	7.1	7.3	7.2	7.1	7.1	7.8	7.5	7.6	7.5	7.4	7.4
29	7.5	7.2	7.4	7.2	7.1	7.1	7.7	7.4	7.6	7.5	7.4	7.5
30	7.3	6.9	7.1	7.1	6.7	7.0	7.6	7.4	7.5	7.6	7.3	7.5
31	7.0	6.7	6.9	---	---	---	7.6	7.3	7.4	7.5	7.4	7.4
MONTH	---	---	---	7.6	6.5	7.1	---	---	---	7.7	6.9	7.4

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	7.3	7.3	7.1	6.9	7.1	---	---	---	6.9	6.7	6.8
2	7.4	7.2	7.3	7.0	6.6	6.9	---	---	---	7.0	6.7	6.8
3	7.5	7.3	7.4	6.9	6.5	6.7	---	---	---	6.9	6.7	6.8
4	7.5	7.4	7.4	6.6	6.5	6.6	---	---	---	7.1	6.9	7.0
5	7.5	7.3	7.4	---	---	---	---	---	---	7.2	6.9	7.1
6	7.5	7.1	7.3	---	---	---	---	---	---	7.0	6.8	6.9
7	7.3	7.1	7.2	---	---	---	---	---	---	7.1	6.8	6.9
8	7.2	6.9	7.0	---	---	---	---	---	---	7.1	6.9	7.0
9	7.0	6.8	6.9	7.1	7.0	7.1	---	---	---	7.0	6.8	6.9
10	7.2	6.9	7.0	7.1	6.9	7.0	---	---	---	7.1	6.8	6.9
11	7.3	7.0	7.2	6.9	6.8	6.9	---	---	---	6.8	6.6	6.7
12	7.3	7.1	7.2	6.8	6.7	6.8	---	---	---	6.9	6.6	6.7
13	7.3	7.1	7.2	7.0	6.8	6.9	---	---	---	6.7	6.3	6.5
14	7.3	7.1	7.2	6.8	6.6	6.7	---	---	---	6.4	6.3	6.3
15	7.3	7.2	7.3	6.9	6.6	6.7	---	---	---	6.6	6.4	6.5
16	7.3	6.9	7.2	6.9	6.7	6.8	---	---	---	6.5	6.3	6.4
17	7.3	6.9	7.1	6.8	6.7	6.7	---	---	---	6.5	6.3	6.4
18	7.2	6.8	7.0	6.8	6.7	6.8	---	---	---	6.6	6.3	6.5
19	7.1	6.9	7.0	6.9	6.8	6.8	---	---	---	6.7	6.5	6.6
20	7.2	7.0	7.1	6.9	6.8	6.8	---	---	---	6.6	6.5	6.6
21	7.1	7.1	7.1	7.0	6.8	7.0	---	---	---	6.6	6.5	6.6
22	7.2	7.0	7.1	7.1	6.8	7.0	---	---	---	6.7	6.6	6.7
23	7.2	6.9	7.0	7.0	6.8	6.9	---	---	---	6.9	6.5	6.7
24	7.1	6.9	7.0	7.0	6.8	6.9	---	---	---	7.2	6.5	6.6
25	7.2	6.8	7.0	7.1	6.9	6.9	---	---	---	6.6	6.5	6.6
26	7.0	6.9	7.0	7.1	7.0	7.0	6.9	6.5	6.6	6.6	6.3	6.4
27	7.1	6.9	7.0	7.2	7.0	7.1	7.1	6.6	6.8	6.6	6.3	6.5
28	7.1	6.9	7.0	7.0	6.9	7.0	7.0	6.7	6.8	6.7	6.5	6.5
29	---	---	---	---	---	---	6.7	6.6	6.7	6.8	6.5	6.7
30	---	---	---	---	---	---	6.8	6.7	6.7	6.7	6.6	6.7
31	---	---	---	---	---	---	---	---	---	6.8	6.5	6.7
MONTH	7.5	6.8	7.1	---	---	---	---	---	---	7.2	6.3	6.7

02147200 CATAWBA RIVER NEAR FORT LAWN, S.C.--Continued

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	6.1	6.3	6.5	6.3	6.4	7.5	7.0	7.3	7.1	6.7	6.8
2	6.6	6.1	6.3	6.6	6.3	6.4	7.7	7.2	7.4	7.2	6.7	6.8
3	6.5	6.2	6.3	6.6	6.3	6.4	7.7	7.4	7.5	7.1	6.7	6.9
4	6.5	6.2	6.3	---	---	---	8.4	7.3	7.8	6.9	6.7	6.7
5	6.6	6.3	6.4	---	---	---	8.2	7.6	7.8	6.8	6.6	6.7
6	---	---	---	---	---	---	7.6	7.2	7.4	7.1	6.7	6.8
7	6.4	6.3	6.3	---	---	---	7.6	7.2	7.4	7.2	6.7	7.0
8	6.5	6.1	6.3	---	---	---	7.4	7.0	7.2	6.9	6.6	6.7
9	6.6	6.3	6.3	---	---	---	7.9	7.2	7.4	6.9	6.7	6.8
10	6.5	6.3	6.4	---	---	---	8.2	7.1	7.5	6.9	6.7	6.8
11	6.6	6.3	6.4	---	---	---	8.2	7.5	7.7	6.9	6.7	6.8
12	6.5	6.2	6.4	6.7	6.2	6.4	7.8	7.1	7.3	---	---	---
13	6.4	6.3	6.3	6.6	6.4	6.5	7.6	7.0	7.4	---	---	---
14	6.5	6.4	6.5	6.7	6.4	6.6	7.5	6.9	7.2	7.6	7.2	7.4
15	---	---	---	6.8	6.3	6.5	7.7	6.8	7.2	7.5	7.0	7.3
16	---	---	---	6.7	6.4	6.5	7.9	7.0	7.5	7.4	7.0	7.2
17	---	---	---	6.8	6.1	6.5	7.6	7.4	7.5	7.4	6.9	7.2
18	---	---	---	6.6	6.3	6.5	7.5	7.2	7.3	7.3	7.0	7.1
19	---	---	---	6.6	6.5	6.5	7.4	6.9	7.2	7.3	6.8	7.0
20	---	---	---	---	---	---	8.3	6.9	7.5	6.9	6.4	6.7
21	---	---	---	---	---	---	8.3	7.5	7.9	7.0	6.6	6.8
22	---	---	---	---	---	---	7.9	6.9	7.4	6.9	6.6	6.8
23	6.2	5.9	6.0	---	---	---	7.3	6.1	6.9	6.8	6.2	6.6
24	6.3	6.1	6.2	---	---	---	8.2	7.3	7.8	7.1	6.8	7.0
25	6.2	6.1	6.2	---	---	---	8.1	7.6	7.8	6.9	6.5	6.7
26	6.2	6.1	6.2	6.9	6.7	6.8	7.9	7.5	7.7	7.0	6.4	6.7
27	6.3	6.0	6.1	7.2	6.9	7.0	7.7	7.4	7.6	7.0	6.5	6.8
28	6.5	6.1	6.3	7.5	7.1	7.3	7.6	7.3	7.4	6.9	6.5	6.7
29	6.3	6.1	6.2	7.7	7.3	7.5	7.3	7.1	7.2	6.8	6.6	6.7
30	6.3	6.1	6.2	8.0	7.3	7.7	7.2	7.0	7.1	6.8	6.6	6.7
31	---	---	---	7.7	7.2	7.4	7.0	6.6	6.8	---	---	---
MONTH	---	---	---	---	---	---	8.5	6.1	7.4	7.6	6.2	6.9

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

LOCATION.--Lat 33°50'19", long 80°37'25", Richland County, at gaging station on right bank, 2.4 miles upstream from Southern Railway bridge, 2.5 miles northeast of Wateree, 5.0 miles southeast of Eastover, and at mile 12.0.

DRAINAGE AREA.--5,590 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Water temperatures: October 1970 to September 1971.

REMARKS.--Record of hourly values available in district office, Columbia, S.C. Dissolved Oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	132	107	119	159	142	148
2	---	---	---	---	---	---	---	---	---	164	145	152
3	---	---	---	---	---	---	140	127	134	---	---	---
4	---	---	---	---	---	---	127	119	122	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	130	116	123	---	---	---
8	---	---	---	---	---	---	132	109	119	---	---	---
9	125	113	119	---	---	---	143	117	128	---	---	---
10	123	113	117	---	---	---	---	---	---	---	---	---
11	123	111	116	---	---	---	145	131	138	---	---	---
12	---	---	---	---	---	---	142	127	133	---	---	---
13	---	---	---	117	94	105	129	117	124	---	---	---
14	---	---	---	---	---	---	124	100	116	---	---	---
15	---	---	---	---	---	---	120	98	107	---	---	---
16	---	---	---	---	---	---	137	109	127	---	---	---
17	---	---	---	98	81	91	134	120	127	---	---	---
18	---	---	---	---	---	---	125	107	115	---	---	---
19	---	---	---	131	115	123	119	81	101	---	---	---
20	---	---	---	---	---	---	123	112	118	---	---	---
21	---	---	---	---	---	---	121	105	111	---	---	---
22	---	---	---	---	---	---	134	98	111	157	146	152
23	---	---	---	---	---	---	148	131	137	166	141	153
24	---	---	---	---	---	---	143	122	131	---	---	---
25	---	---	---	---	---	---	137	125	129	---	---	---
26	---	---	---	---	---	---	127	113	120	---	---	---
27	---	---	---	---	---	---	133	104	118	---	---	---
28	---	---	---	---	---	---	151	119	133	---	---	---
29	---	---	---	---	---	---	139	130	134	---	---	---
30	---	---	---	130	107	120	155	138	144	---	---	---
31	---	---	---	---	---	---	146	142	144	---	---	---
MONTH	---	---	---	---	---	---	155	81	124	---	---	---

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	85	76	81	100	83	91	99	83	92
2	---	---	---	93	72	80	89	83	85	96	81	89
3	---	---	---	96	80	87	103	81	89	97	83	90
4	---	---	---	92	78	84	---	---	---	91	71	81
5	---	---	---	83	71	77	---	---	---	101	71	85
6	---	---	---	87	72	81	---	---	---	102	85	95
7	---	---	---	95	83	87	---	---	---	102	89	95
8	---	---	---	100	85	94	101	86	92	106	99	103
9	126	114	121	100	83	92	103	80	90	104	90	98
10	121	103	113	95	85	90	86	68	78	103	88	96
11	125	100	117	92	75	85	90	75	83	102	85	92
12	121	100	112	88	72	80	95	71	82	103	87	98
13	---	---	---	81	65	73	84	68	76	106	97	102
14	117	99	111	72	59	68	99	58	74	110	94	103
15	112	93	103	79	67	73	102	85	94	110	106	108
16	106	86	98	80	58	68	98	76	87	112	96	106
17	102	83	97	76	65	71	95	73	84	114	94	104
18	100	81	90	80	60	73	92	68	83	120	101	108
19	97	80	87	79	70	75	95	78	88	123	104	115
20	87	81	84	83	75	79	97	72	83	122	107	114
21	88	82	86	89	70	78	90	61	82	116	99	110
22	88	80	83	79	69	74	90	73	84	114	97	107
23	90	66	81	82	73	77	100	86	94	113	97	107
24	95	77	87	90	77	83	100	87	95	112	95	105
25	92	70	81	91	86	88	100	78	88	107	93	101
26	88	80	83	96	90	92	88	71	78	106	91	98
27	91	90	84	94	72	83	86	77	83	109	89	99
28	95	79	87	86	64	74	86	80	83	107	96	101
29	---	---	---	70	62	65	90	80	86	110	104	107
30	---	---	---	92	64	75	95	89	92	109	95	104
31	---	---	---	98	81	89	---	---	---	107	87	97
MONTH	---	---	---	100	58	80	103	58	85	123	71	100

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	104	80	94	109	98	103	83	72	77	99	78	88
2	111	91	100	107	91	101	83	67	76	102	91	97
3	107	92	100	105	93	99	89	73	79	105	90	94
4	108	92	100	103	85	94	93	79	86	103	84	96
5	109	93	101	98	84	94	92	81	87	104	87	98
6	---	---	---	92	81	87	96	85	91	103	88	97
7	---	---	---	92	74	84	97	85	91	100	84	94
8	---	---	---	85	69	77	103	86	93	104	80	92
9	---	---	---	103	78	92	97	82	90	112	100	106
10	109	99	104	101	90	97	97	85	92	113	100	106
11	110	94	103	---	---	---	127	100	113	108	95	103
12	109	92	102	---	---	---	122	88	103	107	97	104
13	106	94	101	---	---	---	102	85	94	111	100	105
14	107	94	101	---	---	---	97	83	90	107	87	97
15	106	105	106	98	90	94	92	83	88	99	79	90
16	---	---	---	102	90	96	88	80	84	112	100	106
17	108	97	103	100	87	94	91	80	84	115	106	111
18	107	86	96	99	87	93	88	76	82	114	103	110
19	90	79	84	98	86	93	90	50	60	114	104	109
20	96	84	88	99	86	94	75	59	67	115	97	107
21	97	86	91	98	86	91	84	72	78	118	88	103
22	95	81	90	98	85	92	89	78	84	121	110	117
23	---	---	---	97	85	91	88	77	83	124	113	120
24	101	91	96	92	83	88	89	73	81	126	112	120
25	107	90	98	91	79	86	96	85	90	130	119	124
26	107	92	100	91	78	85	96	84	89	132	112	122
27	108	95	103	80	65	72	98	90	93	125	108	117
28	106	89	98	83	69	76	98	85	92	131	104	116
29	108	89	97	83	70	77	97	81	89	134	106	121
30	109	98	104	82	75	79	96	55	86	133	113	125
31	---	---	---	82	63	73	96	85	91	---	---	---
MONTH	111	79	98	109	63	89	127	50	87	134	78	107

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	10.0	10.0	---
2	---	---	---	---	---	---	---	---	---	10.0	10.0	---
3	---	---	---	---	---	---	9.1	8.8	8.9	---	---	---
4	---	---	---	---	---	---	8.9	8.1	8.6	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	9.4	9.1	9.3	---	---	---
8	---	---	---	---	---	---	10.0	9.5	---	---	---	---
9	8.2	7.5	7.9	---	---	---	10.0	9.8	---	---	---	---
10	7.5	6.4	6.8	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	9.6	9.3	9.4	---	---	---
12	---	---	---	---	---	---	9.5	9.2	9.4	---	---	---
13	---	---	---	---	---	---	9.1	8.8	9.0	---	---	---
14	---	---	---	---	---	---	9.5	8.5	9.4	---	---	---
15	---	---	---	---	---	---	10.0	9.5	---	---	---	---
16	---	---	---	---	---	---	10.0	10.0	---	---	---	---
17	---	---	---	---	---	---	10.0	9.8	---	---	---	---
18	---	---	---	---	---	---	9.9	9.7	9.8	---	---	---
19	---	---	---	9.8	8.7	9.4	10.0	9.8	---	---	---	---
20	---	---	---	---	---	---	10.0	9.8	---	---	---	---
21	---	---	---	---	---	---	10.0	9.3	---	---	---	---
22	---	---	---	---	---	---	10.0	10.0	---	---	---	---
23	---	---	---	---	---	---	10.0	10.0	---	---	---	---
24	---	---	---	---	---	---	10.0	10.0	---	---	---	---
25	---	---	---	---	---	---	10.0	10.0	---	---	---	---
26	---	---	---	---	---	---	10.0	10.0	---	10.0	9.9	---
27	---	---	---	---	---	---	10.0	10.0	---	10.0	9.8	---
28	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
29	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
30	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
31	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
MONTH	---	---	---	---	---	---	10.0	8.1	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	10.0	---	9.6	9.2	9.4	9.7	9.1	9.4	9.4	8.3	8.9
2	10.0	10.0	---	10.0	8.8	---	9.5	8.8	9.2	9.4	8.2	8.8
3	10.0	10.0	---	10.0	10.0	---	9.4	8.8	9.1	9.0	6.7	7.8
4	10.0	10.0	---	10.0	9.2	---	8.8	8.7	8.8	6.9	6.0	6.4
5	10.0	10.0	---	9.5	9.2	9.4	---	---	---	10.0	5.9	---
6	10.0	10.0	---	9.2	8.8	9.0	---	---	---	10.0	9.5	---
7	10.0	10.0	---	9.1	8.7	8.8	---	---	---	9.3	8.1	9.0
8	10.0	10.0	---	8.8	8.6	8.7	9.5	9.3	9.4	8.5	7.8	8.2
9	10.0	10.0	---	9.1	8.7	8.9	9.4	9.0	9.2	9.3	8.0	8.6
10	10.0	10.0	---	9.1	8.8	9.0	9.2	8.9	9.1	9.4	8.1	8.7
11	10.0	10.0	---	9.1	8.9	9.0	9.0	8.8	8.9	8.9	7.9	8.4
12	10.0	9.5	---	9.1	8.8	9.0	8.9	8.4	8.5	8.0	7.3	7.7
13	10.0	9.2	---	8.9	8.5	8.7	8.4	8.0	8.1	8.3	7.0	7.8
14	10.0	9.1	---	8.8	7.9	8.3	8.8	7.7	8.1	7.4	6.2	7.0
15	10.0	10.0	---	8.1	7.3	7.7	8.9	8.6	8.8	6.9	6.1	6.5
16	10.0	10.0	---	8.9	7.1	7.9	9.1	8.8	8.9	6.7	6.0	6.4
17	10.0	10.0	---	9.1	8.7	8.9	8.9	8.4	8.7	6.2	5.7	5.9
18	10.0	10.0	---	9.1	8.7	8.9	8.9	8.1	8.5	6.3	5.6	5.8
19	10.0	10.0	---	9.5	9.0	9.2	8.7	7.9	8.2	5.5	5.0	5.2
20	10.0	10.0	---	9.2	8.9	9.0	8.3	7.5	7.8	5.8	4.7	5.3
21	10.0	9.4	---	9.2	8.8	9.0	8.7	8.1	8.4	6.1	5.9	6.0
22	9.5	9.2	9.4	9.2	8.4	8.8	8.9	8.4	8.6	6.5	6.1	6.3
23	10.0	8.8	---	8.6	8.1	8.3	8.5	8.2	8.5	6.8	6.6	6.7
24	10.0	10.0	---	9.0	8.6	8.7	8.4	7.9	8.2	6.9	5.8	6.5
25	10.0	10.0	---	9.4	8.8	9.1	9.0	7.2	7.7	6.1	5.8	6.0
26	10.0	10.0	---	9.5	9.3	9.4	7.8	7.2	7.5	6.2	5.9	6.0
27	10.0	10.0	---	10.0	9.5	9.7	7.6	7.2	7.4	6.3	5.8	6.1
28	10.0	9.5	---	9.8	9.5	9.7	9.2	8.9	9.0	7.0	6.1	6.5
29	---	---	---	9.8	9.4	9.6	9.1	7.9	8.7	6.8	6.3	6.5
30	---	---	---	9.6	9.2	9.4	9.0	8.0	8.4	6.8	6.2	6.5
31	---	---	---	9.6	9.2	9.1	---	---	---	7.7	6.7	7.1
MONTH	10.0	8.8	---	10.0	7.1	9.0	9.7	7.2	8.6	10.0	4.7	7.0

SANTEE RIVER BASIN

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.6	6.8	7.1	5.0	4.2	4.6	6.7	5.4	6.2	6.8	5.4	6.0
2	7.5	6.3	6.9	4.9	4.3	4.6	6.5	5.4	6.0	5.7	5.3	5.5
3	7.3	6.5	7.1	5.6	5.2	5.4	7.0	5.6	6.2	6.7	5.8	6.5
4	7.2	6.7	7.0	6.0	5.2	5.6	6.5	4.3	5.6	6.3	5.8	6.1
5	6.6	5.8	6.3	6.8	6.0	6.3	6.2	5.3	5.8	6.8	5.6	6.2
6	---	---	---	6.8	5.8	6.4	6.0	5.6	5.8	7.7	6.2	6.9
7	---	---	---	7.5	6.5	6.9	6.5	5.8	6.2	7.8	5.8	6.8
8	---	---	---	7.1	6.3	6.8	7.1	5.4	6.2	6.9	5.0	6.3
9	---	---	---	6.3	4.7	5.6	8.3	6.7	7.4	6.5	5.3	5.9
10	6.3	5.1	5.9	6.1	4.8	5.6	7.7	6.0	7.0	6.7	5.6	6.4
11	6.1	5.5	5.8	---	---	---	8.6	5.0	6.0	6.6	5.7	6.2
12	5.9	5.5	5.7	---	---	---	6.4	5.5	5.6	6.5	5.6	6.2
13	6.1	5.8	5.9	---	---	---	5.8	4.7	5.2	6.8	5.8	6.2
14	6.1	5.4	5.8	---	---	---	7.1	5.6	6.2	7.0	6.3	6.6
15	5.9	5.8	5.9	6.1	5.9	6.0	7.2	6.0	6.5	6.9	6.0	6.5
16	---	---	---	6.6	5.4	5.9	6.7	5.5	6.1	6.7	5.4	5.9
17	6.2	5.9	6.1	7.1	6.0	6.5	5.8	3.5	5.0	6.2	5.9	6.0
18	6.2	5.8	5.9	7.4	6.2	6.7	5.3	4.6	4.9	6.7	5.8	6.1
19	6.0	5.3	5.6	7.7	6.3	7.0	5.8	5.1	5.4	6.3	5.8	6.0
20	6.0	5.1	5.6	7.9	6.4	7.2	5.7	4.8	5.4	6.2	5.3	5.8
21	6.1	5.5	5.9	6.3	5.9	6.0	5.2	4.3	4.9	6.1	4.3	5.1
22	6.3	6.0	6.2	6.4	5.8	6.1	6.1	4.7	5.3	4.7	4.2	4.4
23	---	---	---	6.1	4.7	5.4	5.0	4.5	4.7	5.4	4.6	5.0
24	5.7	5.5	5.6	6.4	5.2	5.9	5.0	3.9	4.4	6.0	5.4	5.7
25	5.8	5.5	5.7	7.2	6.1	6.5	5.7	4.0	4.8	5.8	5.0	5.5
26	5.8	5.5	5.6	6.7	5.3	6.0	5.9	4.6	5.2	6.4	5.5	5.9
27	5.6	5.2	5.5	5.6	4.5	5.0	5.8	5.1	5.6	7.7	6.0	6.9
28	5.7	5.3	5.5	5.1	3.5	4.4	6.2	5.1	5.7	7.4	5.0	6.7
29	6.2	5.0	5.7	6.5	4.3	5.7	7.2	5.7	6.4	6.1	5.0	5.7
30	5.0	4.4	4.8	6.7	5.5	6.2	7.0	6.5	6.7	6.0	4.6	5.5
31	---	---	---	6.8	6.2	6.5	7.1	6.2	6.6	---	---	---
MONTH	7.6	4.4	6.0	7.9	3.5	6.0	8.6	3.5	5.8	7.8	4.2	6.0

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	18.5	11.0	15.0	10.5	6.5	8.0
2	---	---	---	---	---	---	---	---	---	---	---	---
3	---	---	---	---	---	---	14.5	12.0	12.5	---	---	---
4	---	---	---	---	---	---	12.0	10.0	11.0	---	---	---
5	---	---	---	---	---	---	---	---	---	---	---	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	13.5	7.5	11.0	---	---	---
8	---	---	---	---	---	---	12.5	6.5	9.0	---	---	---
9	25.5	23.5	24.5	---	---	---	14.5	6.5	10.0	---	---	---
10	26.0	23.0	24.0	---	---	---	---	---	---	---	---	---
11	26.5	22.5	24.0	---	---	---	12.5	11.0	11.5	---	---	---
12	---	---	---	---	---	---	13.0	10.0	11.5	---	---	---
13	---	---	---	17.5	13.0	15.5	12.0	9.0	10.5	---	---	---
14	---	---	---	---	---	---	16.0	10.5	13.5	---	---	---
15	---	---	---	---	---	---	13.0	8.5	10.5	---	---	---
16	---	---	---	---	---	---	11.5	9.5	10.5	---	---	---
17	---	---	---	---	---	---	13.5	9.0	11.0	---	---	---
18	---	---	---	---	---	---	13.5	8.5	10.5	---	---	---
19	---	---	---	16.5	13.0	14.5	13.5	7.5	10.0	---	---	---
20	---	---	---	---	---	---	13.0	10.5	11.5	---	---	---
21	---	---	---	---	---	---	12.0	10.0	11.0	---	---	---
22	---	---	---	---	---	---	13.0	10.0	11.0	9.0	7.5	8.5
23	---	---	---	---	---	---	14.0	10.5	12.5	10.0	7.5	8.5
24	---	---	---	---	---	---	15.0	10.5	13.0	18.5	9.5	13.0
25	---	---	---	---	---	---	17.0	9.5	10.5	14.0	10.5	12.0
26	---	---	---	---	---	---	10.0	6.5	8.5	---	---	---
27	---	---	---	---	---	---	9.5	6.0	7.5	---	---	---
28	---	---	---	---	---	---	14.0	6.5	9.5	9.0	5.5	7.0
29	---	---	---	---	---	---	8.0	6.5	7.0	9.5	5.5	7.5
30	---	---	---	15.5	11.5	13.5	10.5	7.5	8.5	10.5	8.5	9.5
31	---	---	---	---	---	---	8.0	7.0	7.5	11.5	9.0	10.5
MONTH	---	---	---	---	---	---	18.5	6.0	10.5	---	---	---

02148315 WATEREE RIVER BELOW EASTOVER, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	6.0	8.0	12.5	10.5	11.5	13.5	11.5	12.5	20.0	18.5	19.0
2	8.0	5.5	6.5	13.5	11.0	12.5	13.5	12.5	13.0	20.5	18.0	19.5
3	6.0	5.5	6.0	12.5	10.5	11.5	14.0	12.0	13.0	20.5	19.0	19.5
4	6.0	5.5	5.5	11.0	10.0	10.5	12.0	12.0	12.0	20.5	18.0	19.0
5	9.5	6.0	7.5	11.5	10.0	10.5	---	---	---	20.0	18.0	19.0
6	11.0	6.0	8.0	12.0	10.0	11.0	---	---	---	21.0	19.0	20.0
7	9.0	7.0	8.0	12.0	11.0	11.5	---	---	---	22.0	20.0	21.0
8	9.0	6.0	8.0	11.5	10.5	11.0	13.0	12.5	12.5	21.5	20.5	20.5
9	7.0	4.5	6.0	11.5	10.0	10.5	14.0	12.0	13.0	23.0	20.0	21.5
10	6.5	3.5	5.0	11.0	9.5	10.0	15.5	13.5	14.5	22.5	21.0	22.0
11	6.5	5.0	5.5	11.0	9.5	10.5	16.5	14.0	15.5	23.0	20.5	22.0
12	6.5	5.0	6.0	12.0	9.5	11.0	17.5	14.0	16.0	22.5	21.0	22.0
13	---	---	---	13.0	10.5	12.0	19.0	16.5	18.0	23.5	21.0	22.0
14	6.0	4.5	5.5	14.5	12.0	13.5	19.5	15.5	18.0	21.5	20.0	21.0
15	6.0	4.5	5.5	16.5	13.5	15.0	16.0	15.0	15.5	20.5	19.5	20.0
16	6.5	5.5	6.0	16.5	12.5	15.0	18.0	16.0	17.0	21.5	20.5	21.0
17	7.0	6.0	6.5	13.0	11.5	12.0	18.0	15.5	17.0	22.0	20.0	21.5
18	7.5	6.5	7.0	13.0	11.0	12.0	19.5	15.5	17.5	23.0	21.5	22.0
19	8.5	7.0	7.5	12.5	11.5	12.0	20.0	17.5	18.5	23.5	22.0	22.5
20	9.0	8.0	8.5	12.0	10.5	11.5	21.5	18.5	20.0	23.0	22.0	22.5
21	9.5	8.5	9.0	12.0	10.0	11.0	18.5	16.5	17.5	22.5	22.0	22.0
22	12.0	9.0	11.0	13.5	11.0	12.0	19.5	17.0	18.5	22.5	21.0	22.0
23	13.0	8.5	11.5	14.5	12.5	13.5	18.0	17.0	17.0	22.5	21.5	22.0
24	9.5	8.0	8.5	14.0	12.0	13.0	19.5	17.0	17.5	23.0	22.0	22.0
25	10.5	8.5	9.5	12.5	10.0	11.5	19.0	17.0	18.0	23.0	21.5	22.0
26	10.0	9.0	9.5	10.0	9.0	9.5	20.0	17.0	18.5	23.0	21.5	22.0
27	10.5	9.5	10.0	11.0	9.0	10.0	19.5	19.5	18.5	23.5	21.5	22.5
28	11.5	9.5	10.0	12.0	9.5	10.5	20.5	19.5	20.0	24.0	22.5	23.0
29	---	---	---	12.0	10.5	11.0	20.5	18.5	19.5	22.5	21.0	21.5
30	---	---	---	13.0	10.5	12.0	19.5	18.5	19.0	21.0	20.0	20.5
31	---	---	---	13.0	10.5	12.0	---	---	---	22.5	19.5	21.0
MONTH	13.0	3.5	7.5	16.5	9.0	11.5	21.5	11.5	16.5	24.0	18.0	21.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	23.5	21.0	22.5	28.0	27.5	27.5	27.5	26.0	26.5	29.0	27.5	28.0
2	25.0	23.0	24.0	28.0	27.0	27.5	28.5	26.5	27.5	29.0	27.0	28.0
3	25.0	23.5	24.0	28.0	27.0	27.5	29.0	27.0	28.0	29.0	27.5	28.0
4	25.0	23.5	24.0	28.0	27.0	27.5	30.0	28.0	29.0	28.5	27.0	27.5
5	25.0	23.5	24.5	28.5	27.0	27.5	29.5	28.5	29.0	29.0	27.0	28.0
6	---	---	---	28.0	26.5	27.0	29.0	27.5	28.5	29.5	27.0	28.5
7	---	---	---	28.0	26.0	26.5	29.0	27.0	28.0	29.0	27.0	28.0
8	---	---	---	28.0	26.0	27.0	29.0	27.5	28.0	28.5	26.0	27.5
9	---	---	---	29.0	26.5	27.5	29.5	27.5	28.5	28.5	27.0	27.5
10	25.0	24.0	24.5	29.0	28.0	28.5	30.0	28.0	29.0	28.0	26.5	27.0
11	25.5	24.0	24.5	---	---	---	30.5	28.5	29.5	29.0	26.5	27.5
12	25.5	23.5	24.5	---	---	---	30.0	28.5	29.0	29.0	27.0	27.5
13	26.0	24.5	25.5	---	---	---	29.0	28.0	28.5	28.5	26.0	27.5
14	27.0	25.0	26.0	---	---	---	29.0	27.5	28.0	28.0	25.0	26.5
15	26.0	25.5	26.0	29.0	28.5	28.5	28.5	27.0	27.5	28.0	24.5	26.5
16	---	---	---	28.5	28.0	28.0	27.0	25.5	26.5	28.5	25.5	27.5
17	26.5	26.0	26.5	29.0	28.0	28.5	26.0	24.5	25.5	28.5	27.0	27.5
18	26.5	24.5	25.5	30.0	28.0	29.0	27.5	25.5	26.5	29.0	26.0	27.5
19	26.0	24.0	25.0	30.5	29.0	29.5	30.5	25.0	27.5	28.5	26.0	27.5
20	26.5	24.5	25.5	29.5	27.5	28.0	32.0	26.0	29.0	29.0	26.5	27.5
21	27.0	25.0	26.0	28.0	27.0	27.5	33.0	27.5	30.0	29.0	27.0	27.5
22	27.5	26.0	26.5	28.5	27.5	27.5	30.5	28.0	29.0	28.0	26.0	27.0
23	---	---	---	28.5	27.0	27.5	32.0	27.5	29.5	27.0	26.0	26.5
24	27.0	27.0	27.0	29.0	27.5	28.0	32.0	27.5	29.5	29.0	24.5	26.0
25	28.0	26.5	27.5	29.0	27.5	28.0	30.5	26.5	28.0	27.0	25.5	26.0
26	28.5	27.0	28.0	29.0	27.0	28.0	28.5	27.5	28.0	29.0	24.5	26.0
27	28.5	27.5	28.0	28.5	27.0	27.5	28.5	27.0	27.5	27.5	25.0	26.0
28	27.5	27.0	27.5	28.5	26.5	27.5	29.0	27.0	28.0	27.5	24.5	26.0
29	29.0	27.0	27.5	28.0	27.0	27.5	29.0	27.5	28.0	28.5	24.0	26.0
30	28.0	27.0	27.5	28.5	27.0	27.5	29.0	27.5	28.0	27.5	25.0	26.0
31	---	---	---	27.5	26.0	26.5	29.0	27.5	28.0	---	---	---
MONTH	29.0	21.0	25.5	30.5	26.0	27.5	33.0	24.5	28.0	29.5	24.0	27.0

02148315 WATEREE RIVER BELOW EASTOVER, S.C.

PH (UNITS), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	6.7	6.4	6.6	7.0	6.6	6.8	6.9	6.7	6.8
2	---	---	---	7.0	6.4	6.6	6.8	6.6	6.7	6.9	6.5	6.7
3	---	---	---	7.2	6.5	6.9	6.9	6.4	6.7	6.8	6.6	6.7
4	---	---	---	7.1	6.8	7.0	6.9	6.9	6.9	6.8	6.5	6.7
5	---	---	---	6.9	6.5	6.7	---	---	---	6.9	6.4	6.8
6	---	---	---	6.8	6.4	6.6	---	---	---	7.0	5.3	6.7
7	---	---	---	6.8	6.5	6.6	---	---	---	7.0	6.8	6.9
8	---	---	---	6.9	6.6	6.7	7.3	6.8	7.1	7.0	6.9	7.0
9	---	---	---	6.8	6.5	6.7	7.3	6.6	6.9	7.0	6.8	6.9
10	7.3	7.1	7.2	7.0	6.5	6.7	6.9	6.1	6.6	6.9	6.6	6.7
11	7.3	7.0	7.2	6.9	6.3	6.6	6.8	6.3	6.7	6.7	6.4	6.6
12	7.6	7.0	7.3	6.7	6.3	6.5	6.8	5.9	6.5	6.8	6.6	6.7
13	8.1	7.1	7.4	6.5	5.9	6.3	6.6	6.0	6.3	6.8	6.6	6.7
14	8.2	7.0	7.4	6.6	5.7	6.3	6.9	6.2	6.5	6.8	6.5	6.7
15	7.2	6.9	7.1	6.6	6.2	6.4	6.9	6.6	6.8	6.8	6.8	6.8
16	7.3	6.5	7.0	6.7	6.1	6.5	7.1	6.7	6.9	6.9	6.6	6.8
17	7.2	6.6	7.0	6.6	6.3	6.5	7.1	6.4	6.9	6.9	6.3	6.6
18	7.3	6.5	7.0	6.6	6.3	6.5	7.1	6.1	6.7	6.9	6.3	6.7
19	7.1	6.6	6.9	6.8	6.5	6.7	6.8	6.3	6.6	6.9	6.3	6.6
20	7.3	7.0	7.1	6.8	6.7	6.7	6.9	6.3	6.6	6.8	6.2	6.5
21	7.6	7.3	7.5	6.8	6.4	6.6	7.1	6.6	6.9	6.7	6.3	6.6
22	7.8	7.1	7.4	6.6	6.2	6.5	7.1	6.7	6.9	6.7	6.3	6.5
23	7.5	6.9	7.2	6.4	6.1	6.3	7.2	6.9	7.1	6.7	6.3	6.6
24	7.6	6.6	7.2	6.6	6.4	6.5	7.2	6.8	7.0	6.7	6.3	6.5
25	7.0	6.2	6.7	6.6	6.5	6.6	7.1	6.4	6.8	6.5	6.2	6.4
26	7.0	6.6	6.8	6.9	6.6	6.9	6.6	6.3	6.6	6.6	6.0	6.3
27	7.0	6.6	6.9	7.1	6.5	6.8	6.8	6.6	6.7	6.6	6.0	6.4
28	7.0	6.3	6.7	6.8	6.2	6.5	6.8	6.4	6.7	6.6	6.4	6.5
29	---	---	---	6.5	6.4	6.4	6.8	6.6	6.7	6.6	6.4	6.5
30	---	---	---	6.8	6.4	6.6	6.9	6.7	6.8	6.6	6.2	6.4
31	---	---	---	6.9	6.5	6.7	---	---	---	6.6	6.2	6.3
MONTH	---	---	---	7.2	5.7	6.6	7.3	5.9	6.8	7.0	5.3	6.6

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.7	6.2	6.5	6.6	6.3	6.5	6.6	6.1	6.4	6.8	6.4	6.6
2	6.7	6.4	6.6	6.6	6.3	6.5	6.6	6.1	6.4	6.8	6.4	6.6
3	6.7	6.2	6.5	6.6	6.4	6.5	6.6	6.3	6.5	6.8	6.4	6.7
4	6.7	6.2	6.5	6.6	6.2	6.4	6.6	6.3	6.5	7.0	6.6	6.8
5	6.7	5.9	6.4	6.6	6.4	6.5	6.7	6.5	6.6	6.9	6.4	6.7
6	---	---	---	6.5	6.2	6.4	6.7	6.5	6.6	6.8	6.4	6.7
7	---	---	---	6.5	6.2	6.4	6.7	6.4	6.6	6.8	6.4	6.6
8	---	---	---	6.5	6.1	6.4	6.7	6.4	6.6	6.8	6.4	6.6
9	---	---	---	6.6	6.2	6.4	6.6	6.2	6.5	6.8	6.4	6.7
10	7.0	6.7	6.9	6.6	6.5	6.6	6.5	6.1	6.3	7.1	6.5	6.9
11	6.8	6.3	6.6	---	---	---	6.4	6.1	6.3	7.2	6.7	7.0
12	6.7	6.3	6.5	---	---	---	6.7	6.3	6.5	7.2	6.8	7.1
13	6.6	6.2	6.5	---	---	---	6.8	6.4	6.6	7.2	6.9	7.1
14	6.6	6.2	6.5	---	---	---	6.8	6.6	6.7	7.2	6.8	7.0
15	6.6	6.6	6.6	6.6	6.3	6.5	6.7	6.5	6.7	7.1	6.5	6.8
16	---	---	---	6.7	6.4	6.5	6.6	6.4	6.5	7.0	6.7	6.9
17	6.8	6.5	6.7	6.8	6.4	6.6	6.5	6.3	6.3	7.1	6.8	6.9
18	6.7	6.5	6.6	6.7	6.5	6.6	6.4	6.1	6.3	7.2	6.8	7.0
19	6.5	6.1	6.3	6.9	6.6	6.8	6.4	5.8	6.1	7.1	6.7	6.9
20	6.5	6.2	6.4	6.8	6.5	6.7	6.5	6.1	6.3	7.0	6.5	6.8
21	6.6	6.3	6.5	6.7	6.4	6.6	6.6	6.2	6.5	6.9	6.3	6.7
22	6.6	6.3	6.5	6.8	6.5	6.7	6.7	6.5	6.6	6.8	6.4	6.7
23	---	---	---	6.8	6.5	6.6	6.7	6.3	6.5	6.9	6.7	6.8
24	6.6	6.4	6.5	6.7	6.5	6.6	6.6	6.2	6.5	6.9	6.5	6.8
25	6.7	6.3	6.5	6.7	6.3	6.6	6.7	6.4	6.6	7.1	6.8	6.9
26	6.7	6.2	6.5	6.6	6.3	6.5	6.7	6.5	6.6	7.1	6.6	6.9
27	6.7	6.3	6.6	6.5	6.2	6.4	6.8	6.6	6.6	7.0	6.6	6.9
28	6.7	6.3	6.5	6.4	6.2	6.3	6.8	6.3	6.6	7.0	6.6	6.9
29	6.6	6.3	6.5	6.6	6.1	6.4	6.9	6.6	6.8	7.1	6.7	6.9
30	6.6	6.3	6.5	6.7	6.4	6.5	7.0	6.6	6.8	7.1	6.6	6.9
31	---	---	---	6.7	6.2	6.5	6.8	6.5	6.7	---	---	---
MONTH	7.0	5.9	6.5	6.9	6.1	6.5	7.0	5.9	6.5	7.2	6.3	6.8

02153500 BROAD RIVER NEAR GAFFNEY, S.C.

LOCATION.--Lat 35°05'20", long 81°34'20", Cherokee County, at gaging station on right bank at downstream side of bridge on U.S. Highway 29, 0.3 mile upstream from Cherokee Creek, 4.4 miles downstream from Gaston Shoals Dam, 4.5 miles east of Gaffney, and at mile 270.3.

DRAINAGE AREA.--1,490 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1949 to September 1950, August 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
15...	1230	22.8	1560	60	--	6.8	.040	.5	--
15...	1230	22.8	1560	64	7.5	6.9	--	--	--
NOV.									
20...	1110	11.5	3300	--	--	--	.020	.0	--
20...	1110	11.5	3300	60	10.3	7.4	--	--	273
DEC.									
21...	1120	9.0	1530	--	--	--	.040	.2	--
21...	1120	9.0	1530	56	10.6	7.2	--	--	507
JAN.									
11...	1155	6.5	2300	--	--	--	.000	1.2	--
11...	1155	6.5	2300	49	12.1	7.5	--	--	370
FEB.									
22...	1150	12.5	3000	--	--	--	.030	1.1	--
22...	1150	12.5	3000	48	10.2	7.3	--	--	5730
MAR.									
23...	1140	12.0	3060	--	--	--	.000	1.2	--
23...	1140	12.0	3060	48	10.5	7.2	--	--	266
APR.									
19...	1200	19.0	2680	--	--	--	.020	.3	--
19...	1200	19.0	2680	50	9.6	7.1	--	--	67
MAY									
10...	1300	21.0	2230	--	--	--	.000	.2	--
10...	1300	21.0	2230	52	8.7	7.2	--	--	106
JUNE									
14...	1240	25.5	1790	--	--	--	.030	.9	--
14...	1240	25.5	1790	54	7.7	7.1	--	--	211
JULY									
08...	1030	24.5	1320	60	7.9	6.7	--	--	--
AUG.									
24...	1245	26.0	2820	--	--	--	--	--	--
24...	1245	26.0	2820	58	7.4	6.9	--	--	3200
SEP.									
13...	1135	24.5	1970	61	7.9	7.1	--	--	905

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
15...	1230	22.8	1560	5	10	60	--	2.0	6.8	18	22	0
15...	1230	22.8	1560	--	--	64	7.5	--	6.9	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
15...	77	.040	13	0	8.3	2.4	.1	4	5	179	0	6

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
15...	0	.1	2.4	3.4	3.8	--	.09	50	211	.07	.5

02156350 PACOLET RIVER AT PACOLET MILLS, S.C.

LOCATION (REVISED).--Lat 34°55'16", long 81°45'29", Spartanburg County, at bridge on State Highway 150 at Pacolet Mills, 0.1 mile downstream from dam at Pacolet Mill, 4.0 miles downstream from Lawsons Fork Creek, and at mile 21.5.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	NITRATE (NO3) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
19...	1320	14.5	294	82	--	1.2	6.8	.0	.040	--
19...	1320	14.5	294	90	10.2	--	7.5	--	--	--
NOV.										
20...	1030	11.0	670	--	--	--	--	3.6	.070	--
20...	1030	11.0	670	80	11.3	--	7.5	--	--	--
DEC.										
21...	1040	9.0	840	--	--	--	--	1.7	.040	--
21...	1040	9.0	840	66	11.0	--	7.3	--	--	--
JAN.										
11...	1115	6.5	530	--	--	--	--	2.0	.030	--
11...	1115	6.5	530	60	12.8	--	7.4	--	--	--
FEB.										
22...	1100	12.0	650	--	--	--	--	2.2	.040	--
22...	1100	12.0	650	56	10.7	--	7.2	--	--	--
MAR.										
23...	1055	11.5	610	--	--	--	--	.8	.020	--
23...	1055	11.5	610	57	11.1	--	7.3	--	--	--
APR.										
19...	1115	18.0	630	--	--	--	--	.8	.020	--
19...	1115	18.0	630	66	10.5	--	7.1	--	--	--
MAY										
10...	1355	21.5	490	--	--	--	--	1.3	.000	--
10...	1355	21.5	490	66	8.8	--	7.3	--	--	--
JUNE										
14...	1330	24.5	475	--	--	--	--	1.3	.040	--
14...	1330	24.5	475	65	8.1	--	7.2	--	--	--
JULY										
08...	0930	23.5	515	57	9.1	--	7.1	--	--	26500
AUG.										
24...	1140	25.0	450	--	--	2.5	--	--	--	--
24...	1140	25.0	450	66	8.1	--	7.2	--	--	6733
SEP.										
10...	0845	23.0	348	78	8.6	--	7.2	--	--	1730

02156500 BROAD RIVER NEAR CARLISLE, S.C.

LOCATION (REVISED).--Lat 34°35'46", long 81°25'20", Union County, at gaging station on right bank at downstream side of bridge on State Highway 72, 1.3 miles upstream from Sandy River, 2.0 miles downstream from Seaboard Coast Line Railroad bridge, 2.5 miles east of Carlisle, 5.0 miles downstream from Neal Shoals Dam, and at mile 226.0.

DRAINAGE AREA.--2,790 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1948, October 1962 to September 1964, September 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
15...	1030	22.2	184	60	--	7.0	.040	.3	--
15...	1030	22.2	184	74	8.7	6.9	--	--	--
NOV.									
20...	0920	10.5	2220	--	--	--	.030	.7	--
20...	0920	10.5	2220	72	11.0	7.3	--	--	1050
DEC.									
21...	0930	9.0	2220	--	--	--	.030	1.4	--
21...	0930	9.0	2220	67	10.5	7.3	--	--	880
JAN.									
11...	1000	6.0	3890	--	--	--	.010	.9	--
11...	1000	6.0	3890	60	12.6	7.3	--	--	785
FEB.									
22...	1015	12.5	4610	--	--	--	.040	1.0	--
22...	1015	12.5	4610	61	11.0	7.3	--	--	680
MAR.									
23...	0945	10.5	3570	--	--	--	.11	.4	--
23...	0945	10.5	3570	65	11.8	7.3	--	--	273
APR.									
19...	1015	19.0	3310	--	--	--	.010	.4	--
19...	1015	19.0	3310	69	10.0	7.2	--	--	40
MAY									
11...	0725	19.0	2320	--	--	--	.000	.0	--
11...	0725	19.0	2320	69	9.5	7.1	--	--	187
JUNE									
15...	0710	25.0	2240	--	--	--	.030	.8	--
15...	0710	25.0	2240	73	8.4	7.4	--	--	405
JULY									
08...	0815	24.0	5390	72	9.2	7.0	--	--	267
AUG.									
24...	0800	25.0	2780	--	--	--	--	--	--
24...	0800	25.0	2780	72	8.1	7.3	--	--	325
SEP.									
10...	0745	24.5	1340	74	7.8	7.8	--	--	173

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
15...	1030	22.2	184	1	5	60	--	2.8	7.0	43	52	0
15...	1030	22.2	184	--	--	74	8.7	--	6.9	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
15...	12	.040	0	0	7.7	3.2	.1	2	5	82	0	0

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.												
15...	[illegible]	.7	.4	4.2	1.9	--	.01	54	17	26.8	.07	.3

02157000 NORTH TYGER RIVER NEAR FAIRMONT, S.C.

LOCATION.--Lat 34°55'45", long 82°02'40", Spartanburg County, temperature recorder at gaging station on left bank 80 ft downstream from Frey Creek, 2.2 miles north of Fairmont, and at mile 57.9.

DRAINAGE AREA.--44 sq mi, approximately.

PERIOD OF RECORD.--Water temperatures: October 1966 to September 1971.

EXTREMES, 1970-71.--Water temperatures: Maximum, 23.0°C June 26-28; minimum, 4.0°C Mar. 25-27.

EXTREMES, 1966-71.--Water temperatures: Maximum, 24.5°C July 28, 29, 1969; minimum, 3.0°C Feb. 26, 1968.

REMARKS.--Recorder malfunctioned Oct. 22 to Nov. 17, 1970, and Nov. 21 to Dec. 14, 1970.

MAXIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.5	---	---	5.5	9.5	11.5	8.5	13.5	17.5	22.0	19.5	19.5
2	15.5	---	---	6.0	8.0	11.5	8.5	13.5	17.5	22.0	19.5	19.5
3	16.0	---	---	7.0	8.0	11.0	8.5	13.0	19.0	22.0	19.5	19.5
4	16.0	---	---	8.5	8.0	10.5	8.5	12.5	19.5	21.5	19.5	19.5
5	14.5	---	---	9.5	8.0	9.5	8.5	12.5	19.5	21.0	19.5	19.5
6	13.5	---	---	9.5	8.5	9.0	8.5	14.5	20.5	20.5	19.5	20.0
7	14.0	---	---	8.5	8.5	9.0	8.5	14.5	21.5	21.5	19.5	20.0
8	15.0	---	---	8.5	8.5	9.0	8.5	15.0	21.5	21.5	19.0	19.5
9	16.0	---	---	8.0	8.5	8.5	9.5	16.0	21.5	22.5	19.5	19.5
10	17.0	---	---	8.0	8.5	8.0	10.5	16.0	21.0	22.5	19.5	19.5
11	17.0	---	---	9.0	8.5	8.0	10.5	16.0	21.5	21.5	19.5	19.5
12	17.0	---	---	9.5	9.0	8.5	11.0	16.0	21.5	21.5	19.5	19.5
13	16.5	---	---	9.5	9.5	9.5	12.0	16.0	21.5	21.0	19.5	17.5
14	17.0	---	---	10.0	9.0	11.0	12.5	16.0	21.5	21.0	19.5	18.0
15	17.5	---	6.0	10.0	9.0	10.5	12.5	15.5	22.0	21.0	19.0	18.5
16	17.5	---	6.0	10.0	9.0	10.5	12.0	15.5	22.0	21.0	19.0	18.5
17	16.0	---	6.5	9.0	9.5	10.0	13.0	15.5	22.0	21.5	19.0	18.0
18	12.0	8.5	6.5	8.5	9.5	9.5	14.0	15.5	21.5	21.5	19.5	18.0
19	11.5	9.5	7.0	8.0	10.0	8.5	14.5	16.0	21.5	21.5	19.5	18.5
20	11.5	9.5	8.5	6.5	10.5	8.5	14.5	16.0	21.5	21.0	20.0	19.0
21	12.0	---	9.0	6.0	10.5	8.0	14.5	16.0	22.0	21.0	20.0	19.5
22	---	---	10.5	7.0	11.0	9.0	14.5	16.5	22.0	20.5	20.0	19.5
23	---	---	12.0	9.5	10.5	9.0	14.5	16.0	22.0	20.5	20.5	18.5
24	---	---	12.0	9.5	10.0	9.0	12.5	16.5	22.5	19.5	20.5	18.5
25	---	---	10.0	9.0	10.5	8.0	12.5	17.5	22.5	19.5	20.0	18.5
26	---	---	8.5	9.0	10.0	4.5	13.5	18.0	23.0	20.0	19.5	17.5
27	---	---	6.0	9.0	11.5	5.5	13.5	18.0	23.0	20.5	20.0	18.5
28	---	---	5.5	8.0	11.5	6.5	14.5	18.0	23.0	20.5	20.0	18.5
29	---	---	5.5	7.0	---	7.0	14.5	17.5	22.5	20.5	19.5	18.5
30	---	---	5.5	9.5	---	7.0	14.5	16.5	22.5	20.5	19.0	18.5
31	---	---	5.5	10.0	---	7.5	---	17.0	---	20.0	19.5	---

MINIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	14.0	---	---	5.5	8.0	10.5	7.5	12.5	16.5	22.0	19.5	19.0
2	15.0	---	---	5.5	8.0	11.0	8.5	13.0	17.0	22.0	19.5	19.0
3	15.0	---	---	6.0	8.0	10.5	7.5	12.5	17.5	21.5	19.5	18.5
4	14.5	---	---	7.0	8.0	9.5	7.5	11.0	18.5	21.0	19.0	18.5
5	12.0	---	---	8.5	8.0	9.0	8.5	11.5	19.0	20.5	19.5	19.0
6	11.5	---	---	8.5	8.0	8.5	8.5	12.5	19.5	20.5	19.5	19.0
7	13.0	---	---	8.5	8.5	8.5	8.5	14.0	20.5	20.5	19.0	19.5
8	14.0	---	---	8.0	8.5	8.5	8.5	14.5	21.0	21.5	19.0	18.5
9	15.0	---	---	7.0	8.5	8.0	8.5	15.0	21.0	21.5	19.0	18.5
10	16.0	---	---	7.0	8.0	7.0	9.5	15.5	20.5	21.0	19.0	19.0
11	17.0	---	---	8.0	8.0	7.0	10.5	15.5	20.5	21.0	19.5	19.5
12	16.5	---	---	9.0	8.5	8.0	10.5	15.5	21.0	21.0	19.5	17.5
13	16.0	---	---	9.0	9.0	8.5	11.0	16.0	21.5	20.5	18.5	17.0
14	16.5	---	---	9.0	8.5	9.5	12.0	15.5	21.5	20.5	17.5	16.5
15	17.0	---	5.0	10.0	8.5	10.5	11.5	15.5	21.5	20.5	17.5	16.5
16	16.0	---	6.0	9.0	9.0	9.5	11.5	15.5	21.5	20.5	19.0	17.5
17	11.5	---	6.0	8.5	9.0	9.5	11.5	15.5	21.5	20.5	18.5	17.5
18	10.0	8.5	6.5	8.0	9.0	8.5	12.5	15.5	21.0	20.5	18.5	17.5
19	10.5	8.5	6.5	6.5	9.5	8.0	14.0	15.5	21.0	21.0	18.5	18.0
20	11.5	9.5	7.0	5.5	10.0	8.0	14.5	15.5	21.5	20.5	19.0	18.5
21	11.5	---	8.5	6.0	10.0	6.5	14.5	15.5	21.5	20.5	19.0	19.0
22	---	---	9.0	6.0	10.0	8.0	14.0	16.0	21.5	20.5	19.5	18.5
23	---	---	10.5	7.0	10.0	9.0	11.5	16.0	22.0	19.0	19.5	18.0
24	---	---	10.0	9.0	9.5	7.0	11.0	16.0	22.0	19.5	19.5	17.5
25	---	---	8.5	9.0	10.0	4.0	12.0	16.5	22.5	19.5	18.5	17.5
26	---	---	6.0	9.0	9.5	4.0	12.5	17.0	22.5	19.5	19.0	17.0
27	---	---	5.0	8.0	9.5	4.0	13.5	17.0	23.0	20.0	19.5	17.5
28	---	---	5.0	6.5	10.5	5.0	13.5	17.5	22.0	20.0	19.0	18.0
29	---	---	5.5	6.5	---	6.5	14.0	16.5	22.0	20.5	18.5	17.5
30	---	---	5.5	7.0	---	6.5	13.5	15.0	22.0	20.0	18.0	17.5
31	---	---	5.5	9.5	---	6.5	---	15.5	---	19.5	18.5	--

02159700 TYGER RIVER NEAR UNION, S.C.

LOCATION.--Lat 34°40'00", long 81°44'23", Union County, at bridge on State Highway 49, 1.2 miles upstream from Isaac Creek, 3.8 miles (revised) downstream from Dutchmans Creek, 7.4 miles southwest of Union, and at mile 26.0.

PERIOD OF RECORD.--Chemical analyses: August 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOS-PHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)
OCT.								
19...	1215	13.4	181	280	--	7.9	.15	1.5
19...	1215	13.4	181	--	9.6	7.9	--	--
MAY								
10...	1450	20.5	540	--	--	--	.010	1.8
10...	1450	20.5	540	96	8.2	7.2	--	--
JUNE								
14...	1440	25.5	385	--	--	--	.050	.8
14...	1440	25.5	385	140	7.6	7.4	--	--

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
19...	1215	13.4	181	1	15	280	--	1.0	7.9	106	129	0
19...	1215	13.4	181	--	--	--	9.6	--	7.9	--	--	--

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)
OCT.											
19...	1	.150	16	0	23	11	.4	13	48	143	0

DATE	DIS-SOLVED MAN-GANESE (MN) (UG/L)	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
19...	0	0	.7	.1	5.1	.7	.05	182	88.9	.25	1.5

02160500 ENOREE RIVER NEAR ENOREE, S.C.

LOCATION (REVISED).--Lat 34°36'38", long 81°54'35", Spartanburg County, at bridge on State Highway 49, 60 ft downstream from gaging station, 0.6 mile upstream from Warrior Creek, 4.0 miles southeast of Enoree, and at mile 41.6.

DRAINAGE AREA.--307 sq mi (at gaging station).

PERIOD OF RECORD.--Chemical analyses: October 1947 to September 1948, July 1969 to June 1971 (discontinued).
Water temperatures: October 1966 to September 1971.

EXTREMES, 1970-71.--Water temperatures: Maximum, 24.0°C June 14-19; minimum, 3.5°C Feb. 3-7.

EXTREMES, 1966-71.--Water temperatures: Maximum, 28.0°C Aug. 22-24, 1968 and June 19, 22, 1970; minimum, 2.0°C Jan. 10, 13, Feb. 14, 1968, and Jan. 12, 13, 1970.

REMARKS.--Temperature recorder at gaging station 60 ft upstream from sampling site. Recorder malfunctioned June 8-12, 1971.

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)
OCT.								
19...	1140	13.5	114	110	--	6.9	.050	1.5
19...	1140	13.5	114	110	10.1	7.4	--	--
MAY								
10...	1540	20.5	295	--	--	--	.020	2.6
10...	1540	20.5	295	67	8.6	7.0	--	--
JUNE								
14...	1415	25.0	233	--	--	--	.060	.8
14...	1415	25.0	233	66	8.0	6.9	--	--

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
19...	1140	13.5	114	1	10	110	--	1.2	6.9	20	25	0
19...	1140	13.5	114	--	--	110	10.1	--	7.4	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.											
19...	8	.050	15	0	17	6.4	.1	1	15	110	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
19...	8	0	.2	.1	4.5	.6	.09	74	22.8	.10	1.5

02160500 ENOREE RIVER NEAR ENOREE, S.C.--Continued

MAXIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	14.5	12.5	5.5	7.0	12.0	10.5	14.5	16.5	22.5	21.5	21.5
2	18.5	15.0	13.0	5.5	6.0	12.0	11.0	14.0	17.5	22.5	21.5	21.5
3	19.5	15.0	13.0	5.0	5.0	12.5	11.0	14.5	18.5	22.5	21.5	21.5
4	17.5	14.5	14.5	5.5	3.5	12.0	11.5	14.5	20.0	22.5	21.5	22.0
5	16.5	12.5	12.5	7.5	3.5	11.5	11.5	14.0	20.5	22.5	21.5	22.0
6	16.0	11.5	11.5	7.5	3.5	11.5	11.5	15.0	22.0	21.5	21.5	22.0
7	15.5	11.5	10.5	7.5	4.5	11.0	11.5	15.5	22.0	21.5	21.5	22.0
8	16.5	11.5	9.5	7.5	4.5	11.0	11.5	17.0	---	21.5	21.5	22.0
9	18.5	12.5	9.0	6.5	4.5	11.0	11.5	17.0	---	21.5	21.5	22.0
10	19.5	13.5	10.0	6.0	4.5	10.5	12.5	17.0	---	21.5	21.5	22.5
11	20.0	14.0	9.5	6.5	5.0	10.5	12.5	17.0	---	21.5	21.5	22.5
12	19.5	14.0	11.5	7.5	5.5	10.5	13.0	17.0	---	21.5	21.5	22.5
13	19.5	13.5	10.5	7.5	6.0	11.5	13.5	17.0	22.5	21.5	21.5	22.5
14	19.5	13.0	9.5	7.5	6.0	12.5	14.0	17.0	24.0	21.5	21.5	21.0
15	20.5	13.0	8.5	8.5	6.5	13.5	14.0	16.5	24.0	21.5	21.5	20.5
16	19.5	12.5	8.0	8.0	7.0	13.5	14.0	16.5	24.0	21.5	21.5	20.5
17	16.0	11.0	8.0	7.5	7.5	13.5	14.0	16.5	24.0	21.5	21.5	21.0
18	13.5	10.0	8.0	6.5	8.5	12.5	13.5	16.5	24.0	21.5	21.5	21.5
19	13.0	10.5	8.5	6.0	9.5	11.5	14.0	17.0	24.0	21.5	21.5	21.5
20	13.0	12.0	9.0	5.0	10.5	11.5	14.5	17.5	23.5	21.5	22.0	21.5
21	14.5	11.5	9.5	4.5	11.0	11.5	14.5	17.5	22.5	21.5	22.0	22.0
22	15.0	11.0	11.0	5.0	11.5	11.0	14.5	17.5	23.0	21.5	22.0	22.0
23	15.0	10.5	11.5	6.0	11.5	11.5	14.5	17.5	23.0	21.5	22.0	22.0
24	14.5	10.0	11.5	6.0	11.5	11.5	14.0	17.5	23.0	21.5	22.0	22.0
25	14.5	9.0	10.5	6.0	11.0	11.0	13.5	17.5	22.5	21.5	22.0	22.0
26	15.0	9.0	8.0	7.0	11.0	9.5	13.5	17.5	23.0	21.5	22.0	21.5
27	14.5	9.5	6.5	7.0	11.5	8.5	14.0	17.5	23.5	21.5	22.0	21.0
28	13.5	10.0	6.5	6.5	11.5	8.5	14.5	17.5	23.0	21.5	22.0	21.5
29	13.5	11.5	5.5	5.5	---	9.5	14.5	---	22.5	21.5	22.0	21.5
30	13.5	12.5	5.0	6.0	---	10.0	14.5	---	22.5	21.5	22.0	21.0
31	14.5	---	5.0	7.0	---	10.0	---	---	---	21.5	21.5	---
MONTH	16.5	12.0	9.5	6.5	7.5	11.0	13.0	16.5	22.0	21.5	21.5	21.5
YEAR	15.0											

MINIMUM TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.5	14.5	11.5	4.5	6.0	11.5	10.0	14.0	16.5	22.5	21.5	21.5
2	16.0	14.5	12.0	4.5	5.0	12.0	10.5	14.0	16.5	22.5	21.5	21.5
3	16.0	14.5	11.5	4.5	3.5	12.0	11.0	14.0	17.5	22.5	21.5	21.5
4	15.5	12.5	12.5	4.5	3.5	11.5	11.0	14.0	18.5	22.5	21.5	21.5
5	13.5	11.5	10.5	5.5	3.5	11.0	11.5	14.0	20.0	21.5	21.5	22.0
6	13.0	11.0	9.5	7.5	3.5	11.0	11.5	14.0	20.5	21.5	21.5	22.0
7	14.0	10.5	8.5	7.5	3.5	11.0	11.5	15.0	22.0	21.5	21.5	22.0
8	15.5	10.5	8.0	6.5	4.5	11.0	11.5	15.5	---	21.5	21.5	22.0
9	16.5	10.5	8.5	6.0	4.5	10.5	11.5	17.0	---	21.5	21.5	22.0
10	18.0	12.5	8.5	6.0	4.5	10.5	11.5	17.0	---	21.5	21.5	22.0
11	18.0	13.5	9.0	6.0	4.5	10.5	12.5	17.0	---	21.5	21.5	22.5
12	17.5	13.5	9.5	6.5	5.0	10.5	12.5	17.0	---	21.5	21.5	22.5
13	17.5	13.0	9.0	7.5	5.5	10.5	13.0	17.0	22.5	21.5	21.5	21.0
14	18.5	13.0	8.0	7.5	5.5	11.5	13.5	16.5	22.5	21.5	21.5	20.5
15	19.0	12.5	7.5	7.5	6.0	12.5	13.5	16.5	24.0	21.5	21.5	20.5
16	16.0	11.0	8.0	7.5	6.5	13.5	13.5	16.5	24.0	21.5	21.5	20.5
17	12.5	10.0	8.0	6.5	7.0	12.5	13.5	16.5	24.0	21.5	21.5	20.5
18	11.0	9.5	7.5	6.0	7.5	11.5	13.0	16.5	24.0	21.5	21.5	21.0
19	11.0	9.5	7.5	5.0	8.5	11.5	13.5	16.5	23.5	21.5	21.5	21.5
20	12.5	10.5	8.5	4.5	9.5	11.5	14.0	17.0	22.5	21.5	21.5	21.5
21	13.0	10.5	8.5	4.0	10.5	11.0	14.5	17.5	22.5	21.5	22.0	21.5
22	13.5	10.0	9.5	4.5	11.0	11.0	14.5	17.5	22.5	21.5	22.0	22.0
23	13.5	8.5	11.0	5.0	11.5	11.0	14.0	17.5	23.0	21.5	22.0	21.5
24	13.5	7.5	10.5	6.0	11.0	11.0	13.5	17.5	22.0	21.5	22.0	21.5
25	14.0	7.5	8.0	6.0	11.0	9.5	13.5	17.5	22.0	21.5	22.0	21.5
26	14.0	7.5	6.5	6.0	11.0	8.5	13.5	17.5	22.5	21.5	22.0	21.0
27	13.5	8.0	6.0	6.5	11.0	8.0	13.5	17.5	23.0	21.5	22.0	21.0
28	13.5	8.5	5.5	5.5	11.5	8.5	14.0	17.5	22.5	21.5	22.0	21.0
29	13.5	9.5	5.0	5.0	---	8.5	14.5	---	22.5	21.5	22.0	21.0
30	13.5	10.5	5.0	5.0	---	9.5	14.5	---	22.5	21.5	21.5	21.0
31	13.5	---	4.5	6.0	---	10.0	---	---	---	21.5	21.5	---
MONTH	14.5	11.0	8.5	6.0	7.0	11.0	13.0	16.5	21.5	21.5	21.5	21.5
YEAR	14.5											

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.

LOCATION.--Lat 34°00'08", long 79°56'14", Richland County, at Columbia in South Carolina Electric and Gas powerplant, 0.3 miles upstream from bridge on U.S. Highway 1, and 2.8 miles downstream from dam.

PERIOD OF RECORD.--Chemical analyses: December 1970 to September 1971.
Water temperatures: December 1970 to September 1971.

EXTREMES, 1970-71.--Specific conductance: Maximum, 115 micromhos Sept. 6; minimum, 28 micromhos Mar. 17.
Dissolved oxygen: Maximum, greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum; minimum, 3.7 mg/l Aug. 8.
Water temperatures: Maximum, 31.0°C July 7; minimum, 2.0°C Jan. 2-4.

REMARKS.--Records of hourly values available in district office, Columbia, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), DECEMBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	87	84	86
2	---	---	---	---	---	---	---	---	---	88	85	86
3	---	---	---	---	---	---	---	---	---	97	88	94
4	---	---	---	---	---	---	---	---	---	100	97	99
5	---	---	---	---	---	---	---	---	---	100	82	94
6	---	---	---	---	---	---	---	---	---	93	75	83
7	---	---	---	---	---	---	---	---	---	74	71	73
8	---	---	---	---	---	---	---	---	---	75	72	73
9	---	---	---	---	---	---	---	---	---	78	75	77
10	---	---	---	---	---	---	---	---	---	79	78	78
11	---	---	---	---	---	---	---	---	---	80	78	78
12	---	---	---	---	---	---	---	---	---	83	80	82
13	---	---	---	---	---	---	---	---	---	86	83	84
14	---	---	---	---	---	---	---	---	---	85	84	84
15	---	---	---	---	---	---	---	---	---	83	66	77
16	---	---	---	---	---	---	---	---	---	79	65	74
17	---	---	---	---	---	---	---	---	---	88	79	84
18	---	---	---	---	---	---	76	73	75	94	88	91
19	---	---	---	---	---	---	79	73	76	101	94	98
20	---	---	---	---	---	---	---	---	---	103	101	102
21	---	---	---	---	---	---	93	88	91	103	101	102
22	---	---	---	---	---	---	93	92	93	101	95	99
23	---	---	---	---	---	---	94	93	94	99	94	96
24	---	---	---	---	---	---	97	94	95	99	96	98
25	---	---	---	---	---	---	101	98	100	100	94	97
26	---	---	---	---	---	---	102	99	101	95	78	85
27	---	---	---	---	---	---	100	93	97	79	71	76
28	---	---	---	---	---	---	93	89	91	79	73	77
29	---	---	---	---	---	---	90	89	90	82	79	81
30	---	---	---	---	---	---	92	87	90	87	82	85
31	---	---	---	---	---	---	89	85	87	87	64	73
MONTH	---	---	---	---	---	---	---	---	---	103	64	86

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), DECEMBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	79	71	76	---	---	---	---	---	---	74	69	71
2	87	78	82	---	---	---	59	57	58	76	72	73
3	87	52	75	---	---	---	52	47	49	78	72	75
4	92	68	76	---	---	---	44	40	41	77	72	75
5	92	82	90	---	---	---	64	33	52	77	73	75
6	87	72	80	---	---	---	90	47	70	80	75	77
7	73	61	69	---	---	---	83	54	75	79	72	75
8	62	48	56	---	---	---	54	47	51	74	70	72
9	56	48	52	---	---	---	57	51	53	74	72	73
10	62	56	58	---	---	---	59	54	55	76	73	75
11	67	62	65	---	---	---	66	60	63	78	74	75
12	70	67	69	61	59	60	68	61	65	80	77	78
13	74	68	70	64	57	60	71	63	67	78	55	67
14	76	74	75	---	---	---	69	64	66	67	47	57
15	---	---	---	---	---	---	74	67	71	49	46	47
16	74	68	73	54	30	39	74	52	60	53	42	48
17	71	67	69	42	28	37	61	55	57	48	39	43
18	67	65	66	58	35	46	60	55	56	54	44	48
19	68	64	66	75	39	62	---	---	---	74	52	67
20	64	62	63	73	65	72	---	---	---	57	50	53
21	62	60	61	73	39	60	---	---	---	63	52	55
22	79	59	70	---	---	---	---	---	---	72	63	67
23	88	79	83	81	42	66	82	69	80	78	71	74
24	89	76	83	80	68	78	73	62	65	81	74	77
25	---	---	---	81	77	80	71	61	66	76	67	71
26	---	---	---	76	61	67	72	63	67	71	67	69
27	---	---	---	71	63	68	78	66	70	73	69	71
28	---	---	---	71	64	68	69	64	66	71	68	69
29	---	---	---	66	59	63	69	66	68	74	66	69
30	---	---	---	61	51	56	69	64	65	76	71	73
31	---	---	---	78	50	60	---	---	---	80	71	76
MONTH	92	48	71	---	---	---	90	33	62	81	39	68

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	80	74	77	83	75	78	74	60	67	113	91	97
2	81	75	78	95	59	75	76	72	74	109	97	103
3	80	74	77	75	67	72	71	63	69	113	100	108
4	75	67	72	77	72	74	68	60	63	113	103	110
5	68	66	67	78	73	76	62	49	58	114	106	111
6	74	68	71	77	71	75	59	39	50	115	107	111
7	80	71	77	75	72	73	67	57	61	101	90	92
8	82	79	80	81	75	77	---	---	---	98	91	95
9	84	81	82	76	68	71	---	---	---	110	95	101
10	89	84	87	67	59	64	---	---	---	105	97	101
11	88	84	86	94	59	71	---	---	---	100	96	97
12	85	77	81	66	61	63	73	70	71	85	80	82
13	82	76	78	62	60	61	75	70	73	89	83	86
14	84	80	82	66	61	64	75	65	69	89	86	88
15	84	80	82	71	66	69	80	71	75	86	79	83
16	83	81	82	73	71	72	81	75	79	97	86	91
17	93	80	85	80	70	76	84	64	74	110	91	104
18	85	68	78	82	75	79	71	61	65	104	87	95
19	71	59	67	89	82	85	71	65	68	86	65	75
20	66	61	63	90	86	88	69	66	68	88	50	72
21	70	65	67	101	90	95	78	69	73	58	48	53
22	75	70	73	97	87	91	83	78	81	67	58	62
23	76	69	74	92	85	90	85	82	83	---	---	---
24	79	59	70	88	82	85	---	---	---	73	71	71
25	70	62	68	84	81	82	---	---	---	70	68	69
26	70	67	69	85	63	80	---	---	---	78	70	74
27	84	66	72	84	64	79	---	---	---	85	82	83
28	77	67	73	89	84	86	---	---	---	88	82	85
29	81	77	79	84	72	78	---	---	---	91	86	89
30	79	74	76	79	71	75	---	---	---	94	91	93
31	---	---	---	75	66	72	101	82	93	---	---	---
MONTH	93	59	76	101	59	77	---	---	---	115	48	89
YEAR	115	28	75									

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, DECEMBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	10.0	10.0	---
2	---	---	---	---	---	---	---	---	---	10.0	10.0	---
3	---	---	---	---	---	---	---	---	---	10.0	9.3	---
4	---	---	---	---	---	---	---	---	---	10.0	10.0	---
5	---	---	---	---	---	---	---	---	---	10.0	10.0	---
6	---	---	---	---	---	---	---	---	---	---	---	---
7	---	---	---	---	---	---	---	---	---	---	---	---
8	---	---	---	---	---	---	---	---	---	---	---	---
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	10.0	10.0	---
13	---	---	---	---	---	---	---	---	---	10.0	10.0	---
14	---	---	---	---	---	---	---	---	---	10.0	10.0	---
15	---	---	---	---	---	---	---	---	---	10.0	10.0	---
16	---	---	---	---	---	---	---	---	---	10.0	10.0	---
17	---	---	---	---	---	---	---	---	---	10.0	10.0	---
18	---	---	---	---	---	---	10.0	6.3	---	10.0	10.0	---
19	---	---	---	---	---	---	---	---	---	10.0	10.0	---
20	---	---	---	---	---	---	---	---	---	10.0	10.0	---
21	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
22	---	---	---	---	---	---	10.0	8.4	---	10.0	10.0	---
23	---	---	---	---	---	---	10.0	7.0	---	10.0	10.0	---
24	---	---	---	---	---	---	10.0	7.3	---	10.0	10.0	---
25	---	---	---	---	---	---	10.0	8.6	---	10.0	9.2	---
26	---	---	---	---	---	---	10.0	9.2	---	10.0	7.7	---
27	---	---	---	---	---	---	10.0	9.6	---	10.0	10.0	---
28	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
29	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
30	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
31	---	---	---	---	---	---	10.0	10.0	---	10.0	10.0	---
MONTH	---	---	---	---	---	---	---	---	---	10.0	7.7	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	10.0	---	10.0	9.5	---	---	---	---	10.0	7.2	---
2	10.0	10.0	---	10.0	8.4	9.2	10.0	9.7	---	9.9	9.0	9.4
3	10.0	10.0	---	10.0	8.2	---	10.0	9.2	---	10.0	8.9	---
4	10.0	10.0	---	10.0	8.5	---	10.0	10.0	---	10.0	9.8	---
5	10.0	10.0	---	---	---	---	10.0	10.0	---	10.0	10.0	---
6	10.0	10.0	---	---	---	---	10.0	9.8	---	10.0	10.0	---
7	10.0	10.0	---	---	---	---	10.0	9.5	---	10.0	9.2	---
8	10.0	10.0	---	---	---	---	10.0	9.9	---	10.0	8.8	---
9	10.0	10.0	---	---	---	---	10.0	10.0	---	9.7	8.3	9.1
10	10.0	10.0	---	---	---	---	10.0	9.6	9.7	10.0	8.4	---
11	9.8	8.5	---	---	---	---	9.8	9.1	9.4	10.0	9.4	---
12	---	---	---	10.0	8.1	---	10.0	9.4	---	10.0	9.0	9.5
13	---	---	---	---	---	---	10.0	9.4	---	8.8	7.7	7.8
14	---	---	---	---	---	---	10.0	9.3	---	7.7	4.4	6.5
15	---	---	---	---	---	---	10.0	9.3	9.6	---	---	---
16	10.0	10.0	---	---	---	---	10.0	8.9	9.8	---	---	---
17	10.0	10.0	---	---	---	---	9.4	8.2	8.8	---	---	---
18	10.0	10.0	---	8.1	6.5	7.5	9.1	7.4	8.1	---	---	---
19	10.0	10.0	---	10.0	8.6	---	---	---	---	---	---	---
20	10.0	10.0	---	---	---	---	---	---	---	---	---	---
21	10.0	7.5	---	---	---	---	---	---	---	---	---	---
22	10.0	9.6	---	---	---	---	---	---	---	---	---	---
23	10.0	9.4	---	10.0	7.9	---	8.4	7.1	8.0	---	---	---
24	10.0	7.5	---	10.0	10.0	---	8.7	8.3	8.5	---	---	---
25	10.0	7.0	---	10.0	10.0	---	9.0	8.3	8.6	---	---	---
26	10.0	5.9	8.3	10.0	10.0	---	9.3	8.9	9.0	---	---	---
27	9.9	6.5	7.7	10.0	10.0	---	9.9	9.1	9.3	7.9	7.4	7.7
28	10.0	7.4	9.8	10.0	9.9	---	9.8	9.0	9.5	7.9	5.8	6.7
29	---	---	---	10.0	10.0	---	9.9	9.0	9.4	7.7	6.8	7.3
30	---	---	---	10.0	7.1	---	9.8	8.7	9.2	8.8	7.2	8.1
31	---	---	---	10.0	9.6	---	---	---	---	9.0	8.2	8.6
MONTH	10.0	5.9	---	---	---	---	10.0	7.1	---	---	---	---

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, DECEMBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.9	7.7	9.2	7.5	6.7	7.0	8.0	7.7	7.8	7.8	7.5	7.7
2	9.1	7.3	8.4	7.1	6.3	6.6	8.2	7.6	8.0	8.0	7.3	7.7
3	9.0	8.4	8.7	7.2	6.9	7.0	8.4	8.1	8.3	8.2	7.3	7.7
4	9.5	8.7	9.1	7.9	7.0	7.7	8.6	7.5	7.6	8.5	7.8	8.1
5	9.8	8.8	9.2	7.7	4.5	6.2	7.3	6.8	7.0	8.4	7.6	8.0
6	10.0	8.6	---	7.7	5.1	6.7	7.9	6.6	7.3	8.7	8.3	8.6
7	10.0	8.7	---	8.4	4.7	6.2	8.1	3.8	5.8	9.0	7.6	8.3
8	10.0	8.6	---	7.0	6.4	6.6	5.9	3.7	4.3	8.0	7.3	7.6
9	10.0	9.1	---	7.4	6.5	7.1	5.2	4.3	4.8	7.7	7.1	7.3
10	9.9	7.3	8.1	7.3	6.3	6.7	6.6	5.1	5.8	7.7	7.2	7.4
11	8.7	7.0	7.8	6.9	6.2	6.5	6.2	6.1	6.1	8.0	7.1	7.3
12	9.4	7.9	8.6	6.9	5.9	6.3	7.5	7.2	7.3	7.6	7.0	7.2
13	9.4	8.2	8.8	6.7	6.3	6.5	7.7	7.4	7.5	8.0	6.8	7.3
14	9.2	7.9	8.4	7.2	6.8	7.0	7.8	7.4	7.5	7.8	7.3	7.5
15	9.9	7.3	8.2	7.5	7.2	7.4	7.9	7.0	7.5	7.9	7.2	7.5
16	10.0	8.6	9.3	7.5	6.9	7.4	7.5	4.9	6.2	7.8	7.1	7.5
17	9.6	7.1	7.9	7.6	6.8	7.2	6.8	4.3	5.3	8.7	7.8	8.2
18	7.8	7.0	7.2	7.8	7.2	7.5	7.7	5.6	7.1	9.4	8.8	9.2
19	7.4	7.2	7.3	7.8	6.7	7.4	7.7	7.5	7.6	9.9	9.4	9.7
20	7.6	6.9	7.3	7.3	7.1	7.3	7.5	6.7	7.2	10.0	---	---
21	7.7	6.9	7.2	7.4	7.3	7.4	7.1	6.3	6.7	6.9	5.9	6.5
22	7.7	6.7	7.3	7.6	7.3	7.4	6.5	6.1	6.2	6.9	5.4	5.8
23	8.3	7.0	7.7	7.5	7.1	7.3	7.0	6.6	6.9	---	---	---
24	8.3	6.4	7.4	7.7	7.5	7.6	---	---	---	7.4	7.3	7.3
25	7.6	7.1	7.3	7.8	7.6	7.6	---	---	---	---	---	---
26	7.4	7.1	7.2	8.0	7.3	7.7	---	---	---	---	---	---
27	7.5	6.6	6.9	7.8	7.3	7.5	---	---	---	---	---	---
28	7.1	6.3	6.6	8.0	7.6	7.7	---	---	---	---	---	---
29	7.3	6.3	6.9	7.4	7.0	7.3	---	---	---	---	---	---
30	7.4	6.5	6.8	7.5	7.2	7.4	---	---	---	---	---	---
31	---	---	---	7.8	7.6	7.7	7.6	7.3	7.5	---	---	---
MONTH	10.0	6.3	7.9	8.4	4.5	7.1	---	---	---	---	---	---

TEMPERATURE (°C) OF WATER, DECEMBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	4.0	2.5	3.5
2	---	---	---	---	---	---	---	---	---	3.5	2.0	4.0
3	---	---	---	---	---	---	---	---	---	3.5	2.0	4.0
4	---	---	---	---	---	---	---	---	---	7.0	2.0	4.5
5	---	---	---	---	---	---	---	---	---	8.5	6.5	8.0
6	---	---	---	---	---	---	---	---	---	10.5	8.5	9.0
7	---	---	---	---	---	---	---	---	---	10.0	9.0	9.5
8	---	---	---	---	---	---	---	---	---	9.0	6.5	7.5
9	---	---	---	---	---	---	---	---	---	6.5	6.0	6.0
10	---	---	---	---	---	---	---	---	---	9.0	4.0	6.0
11	---	---	---	---	---	---	---	---	---	7.0	5.5	6.5
12	---	---	---	---	---	---	---	---	---	8.5	6.5	7.5
13	---	---	---	---	---	---	---	---	---	8.0	7.5	7.5
14	---	---	---	---	---	---	---	---	---	10.5	8.5	10.5
15	---	---	---	---	---	---	---	---	---	12.5	10.5	11.5
16	---	---	---	---	---	---	---	---	---	12.0	8.5	10.0
17	---	---	---	---	---	---	---	---	---	8.5	7.5	8.0
18	---	---	---	---	---	---	9.0	8.0	8.5	8.5	6.5	7.5
19	---	---	---	---	---	---	9.5	7.5	8.0	8.0	6.0	7.0
20	---	---	---	---	---	---	---	---	---	6.0	4.5	5.5
21	---	---	---	---	---	---	10.0	9.0	10.0	5.5	3.5	5.0
22	---	---	---	---	---	---	10.5	9.5	10.0	6.0	4.5	5.0
23	---	---	---	---	---	---	14.0	11.0	12.5	6.5	5.5	6.0
24	---	---	---	---	---	---	14.0	13.0	14.0	6.0	5.5	6.0
25	---	---	---	---	---	---	13.5	11.5	12.0	7.0	5.5	6.5
26	---	---	---	---	---	---	11.5	9.5	10.5	8.5	7.0	8.0
27	---	---	---	---	---	---	9.5	8.5	9.0	8.0	6.5	7.0
28	---	---	---	---	---	---	9.0	7.0	8.0	7.0	6.0	7.0
29	---	---	---	---	---	---	7.5	5.5	6.5	7.5	6.0	7.0
30	---	---	---	---	---	---	5.5	4.5	5.0	9.0	7.5	8.0
31	---	---	---	---	---	---	5.0	3.5	4.0	11.5	10.5	10.5
MONTH	---	---	---	---	---	---	---	---	---	12.5	2.0	7.0

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

TEMPERATURE (°C) OF WATER, DECEMBER 1970 TO SEPTEMBER 1971--Continued

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	10.0	7.5	8.5	12.5	11.5	12.0	---	---	---	20.0	17.5	19.0
2	7.5	6.0	6.5	13.0	12.5	12.5	13.0	13.0	13.0	20.0	18.5	19.0
3	6.5	5.0	5.5	13.5	12.0	13.0	14.0	12.0	13.0	19.5	18.0	18.5
4	5.0	4.5	5.0	12.0	10.5	10.5	14.5	12.5	13.5	19.0	16.5	17.5
5	6.0	4.5	5.0	---	---	---	14.5	14.0	14.5	19.5	17.0	18.5
6	6.0	4.5	5.5	---	---	---	14.5	12.5	14.0	20.5	18.0	19.5
7	7.0	5.5	6.0	---	---	---	14.0	12.5	13.0	21.5	19.0	20.5
8	7.0	6.0	6.5	---	---	---	15.0	12.5	13.5	22.0	20.5	21.0
9	6.0	5.5	5.5	---	---	---	17.0	13.5	15.5	23.0	21.5	22.0
10	5.0	4.5	5.0	---	---	---	20.0	16.0	18.0	23.0	22.0	22.0
11	5.0	4.0	4.5	---	---	---	20.0	16.0	18.0	22.5	20.5	21.5
12	6.0	4.0	5.0	---	---	---	23.0	17.0	19.5	22.5	21.5	22.0
13	6.0	4.5	5.5	---	---	---	23.0	18.0	21.0	22.5	20.5	21.5
14	5.5	4.0	5.0	---	---	---	22.5	18.5	21.5	20.5	19.0	19.5
15	---	---	---	---	---	---	21.0	16.5	18.5	19.0	17.5	18.0
16	6.5	5.5	6.5	---	---	---	19.5	16.5	18.0	18.5	17.0	17.5
17	7.0	5.5	6.0	---	---	---	20.0	17.5	19.0	18.5	16.5	17.5
18	8.0	6.0	7.0	---	---	---	20.5	18.5	19.5	19.0	17.5	18.0
19	9.5	7.5	8.5	---	---	---	---	---	---	20.5	19.0	20.0
20	10.5	9.5	10.0	---	---	---	---	---	---	22.5	19.5	21.0
21	11.0	10.5	10.5	---	---	---	---	---	---	22.5	21.0	22.0
22	13.5	11.0	12.0	---	---	---	---	---	---	22.5	21.0	22.0
23	12.5	11.5	12.0	13.0	12.0	12.5	15.0	14.0	19.0	22.5	21.0	22.0
24	11.5	10.5	11.0	12.0	11.0	11.5	16.5	13.5	15.0	23.0	21.5	22.5
25	11.0	10.0	10.5	11.0	7.5	10.0	16.5	14.0	15.0	23.5	22.0	22.5
26	10.5	10.0	10.0	10.5	6.5	7.0	17.5	14.5	16.0	25.0	22.0	23.5
27	12.0	10.5	11.0	7.5	6.0	6.5	19.0	16.5	18.0	24.5	22.0	23.5
28	12.0	11.0	11.5	9.0	6.0	7.0	20.5	18.0	19.5	24.0	21.5	23.0
29	---	---	---	9.5	7.5	8.5	21.0	19.0	20.0	21.5	19.0	20.5
30	---	---	---	13.5	8.5	10.5	20.5	18.5	20.0	19.5	18.5	19.0
31	---	---	---	12.5	11.5	12.0	---	---	---	22.5	18.0	20.0
MONTH	13.5	4.0	7.5	---	---	---	23.0	12.0	17.0	25.0	16.5	20.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	22.5	19.5	21.0	30.5	28.5	29.0	27.0	25.0	26.0	28.5	27.0	28.0
2	24.5	21.0	22.5	30.5	27.5	29.0	27.5	26.0	27.0	28.0	26.5	27.5
3	25.5	23.0	24.5	29.0	27.0	28.0	27.5	26.0	26.5	28.5	27.0	27.5
4	26.5	24.5	25.5	29.5	27.0	28.0	27.5	25.5	26.5	28.5	27.5	28.0
5	28.0	26.0	27.0	28.0	26.5	27.5	27.5	26.0	26.5	29.0	27.5	28.0
6	28.5	26.5	27.5	27.5	25.5	26.5	27.0	24.5	26.0	28.0	27.5	27.5
7	29.5	27.0	28.0	31.0	27.0	28.5	26.5	25.5	26.0	29.5	27.0	28.0
8	29.0	27.5	28.0	27.5	25.0	26.5	26.5	25.0	26.0	28.5	27.0	27.5
9	28.5	27.5	28.0	28.0	26.0	27.0	28.0	25.0	26.5	27.5	26.5	27.0
10	27.5	26.0	27.0	28.0	26.5	27.5	28.5	26.0	27.5	27.0	26.0	26.5
11	27.5	26.0	26.5	28.5	27.0	27.5	---	---	---	27.0	26.0	26.5
12	28.0	26.0	27.0	28.5	27.5	28.0	---	---	---	28.0	27.5	28.0
13	28.0	26.5	27.5	27.5	26.0	26.5	27.5	26.0	27.0	27.0	25.0	26.0
14	28.0	27.0	27.5	28.0	25.5	27.0	27.0	25.5	26.5	25.0	24.0	24.5
15	29.0	27.0	28.0	27.5	26.5	27.0	27.0	26.5	26.5	26.5	24.5	25.5
16	29.0	28.0	28.5	27.5	26.0	27.0	27.0	25.5	26.0	26.0	24.0	25.0
17	28.5	27.5	28.0	28.5	26.0	27.0	25.0	23.0	24.0	24.5	23.0	23.5
18	27.5	26.0	26.5	29.5	27.0	28.0	24.5	22.5	23.5	24.5	22.5	23.0
19	25.5	24.5	25.0	29.0	27.0	28.0	25.5	23.5	24.5	23.5	21.5	22.5
20	25.5	23.5	24.5	27.0	26.0	26.5	27.5	25.0	26.0	23.5	20.5	21.5
21	26.5	24.5	25.5	27.0	26.0	26.5	28.5	26.5	27.5	22.5	20.5	21.5
22	27.5	25.5	26.5	27.5	25.5	26.5	28.5	27.0	27.5	23.5	21.0	22.5
23	27.5	25.5	26.5	27.0	26.0	26.5	26.5	26.0	26.5	24.0	22.0	22.5
24	27.5	26.0	27.0	27.5	26.0	26.5	---	---	---	24.0	21.5	22.5
25	29.5	26.0	27.5	27.5	26.0	27.0	---	---	---	23.5	22.0	22.5
26	30.0	28.5	29.0	27.5	26.5	27.0	---	---	---	23.0	21.0	23.5
27	30.0	28.0	29.0	28.5	26.0	27.0	---	---	---	24.5	23.0	24.0
28	29.0	27.5	28.0	28.5	27.0	28.0	---	---	---	25.5	22.5	24.0
29	29.0	28.0	28.5	28.5	27.0	27.5	---	---	---	24.5	22.5	23.5
30	30.0	28.5	29.0	27.5	26.0	27.0	---	---	---	24.0	22.5	23.5
31	---	---	---	27.5	26.0	27.0	28.5	28.0	28.0	---	---	---
MONTH	30.0	19.5	27.0	31.0	25.0	27.5	---	---	---	29.0	20.5	25.0
YEAR	31.0	2.0	19.5									

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

PH (UNITS), DECEMBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	---	---	---	7.4	6.2	5.8
2	---	---	---	---	---	---	---	---	---	7.5	6.0	6.8
3	---	---	---	---	---	---	---	---	---	7.5	6.3	6.9
4	---	---	---	---	---	---	---	---	---	7.8	7.5	7.6
5	---	---	---	---	---	---	---	---	---	7.7	6.7	7.3
6	---	---	---	---	---	---	---	---	---	7.3	5.9	6.6
7	---	---	---	---	---	---	---	---	---	8.2	7.1	7.7
8	---	---	---	---	---	---	---	---	---	8.5	7.3	8.0
9	---	---	---	---	---	---	---	---	---	---	---	---
10	---	---	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	---	---	---	8.6	7.7	8.3
13	---	---	---	---	---	---	---	---	---	8.6	8.3	8.4
14	---	---	---	---	---	---	---	---	---	8.5	8.5	8.4
15	---	---	---	---	---	---	---	---	---	8.4	7.9	8.2
16	---	---	---	---	---	---	---	---	---	8.5	7.6	9.1
17	---	---	---	---	---	---	---	---	---	8.3	7.7	8.0
18	---	---	---	---	---	---	---	---	---	8.0	7.6	7.8
19	---	---	---	---	---	---	---	---	---	7.9	7.4	7.6
20	---	---	---	---	---	---	---	---	---	7.5	7.3	7.4
21	---	---	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	---	---	---	---	---	---
28	---	---	---	---	---	---	8.0	6.6	7.3	---	---	---
29	---	---	---	---	---	---	7.8	7.5	7.7	---	---	---
30	---	---	---	---	---	---	8.0	6.5	7.3	---	---	---
31	---	---	---	---	---	---	7.8	6.9	7.4	---	---	---
MONTH	---	---	---	---	---	---	---	---	---	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.5	6.7	7.0	---	---	---	---	---	---	7.6	7.2	7.4
2	---	---	---	---	---	---	7.2	7.1	7.2	7.6	7.3	7.4
3	---	---	---	---	---	---	7.3	7.2	7.2	8.2	7.3	7.6
4	---	---	---	---	---	---	7.4	7.2	7.2	8.5	7.7	8.1
5	---	---	---	---	---	---	7.3	7.1	7.2	8.5	7.9	8.2
6	---	---	---	---	---	---	7.3	7.1	7.2	8.2	7.6	7.8
7	---	---	---	---	---	---	7.3	7.1	7.2	8.2	7.5	7.8
8	---	---	---	---	---	---	7.2	7.1	7.2	8.2	7.5	7.7
9	---	---	---	---	---	---	7.2	7.1	7.2	8.0	7.3	7.6
10	---	---	---	---	---	---	7.3	7.1	7.2	8.5	7.4	7.8
11	---	---	---	---	---	---	7.4	7.2	7.2	8.7	7.8	8.3
12	---	---	---	8.3	7.5	8.0	7.4	7.2	7.3	8.6	7.7	8.1
13	---	---	---	7.8	7.5	7.7	7.3	7.2	7.3	7.6	6.8	7.0
14	---	---	---	7.5	7.4	7.4	7.3	7.2	7.2	7.0	6.5	6.8
15	---	---	---	7.5	7.3	7.3	7.3	7.3	7.3	6.6	6.5	6.5
16	---	---	---	7.4	7.3	7.3	7.8	7.3	7.5	6.6	6.4	6.6
17	---	---	---	7.4	7.3	7.4	7.9	7.4	7.6	6.5	6.4	6.4
18	---	---	---	7.4	7.3	7.4	7.9	7.4	7.6	6.6	6.4	6.5
19	---	---	---	7.4	7.2	7.3	---	---	---	6.7	6.4	6.6
20	---	---	---	7.5	7.3	7.4	---	---	---	6.8	6.7	6.8
21	---	---	---	7.5	7.4	7.4	---	---	---	7.0	6.8	6.9
22	---	---	---	7.5	7.3	7.4	---	---	---	6.9	6.8	6.8
23	---	---	---	7.5	7.2	7.4	7.3	7.1	7.2	7.0	6.9	6.9
24	---	---	---	7.6	7.4	7.5	7.2	7.0	7.0	7.1	7.0	7.0
25	---	---	---	7.6	7.4	7.5	7.2	7.0	7.1	7.3	7.1	7.2
26	---	---	---	7.4	6.9	7.1	7.2	7.1	7.1	7.3	7.1	7.2
27	---	---	---	7.3	7.0	7.2	7.3	7.0	7.2	7.3	7.0	7.2
28	---	---	---	7.2	7.2	7.2	7.3	7.0	7.2	7.3	7.1	7.2
29	---	---	---	7.3	7.1	7.2	7.5	7.2	7.3	7.2	7.0	7.1
30	---	---	---	7.1	7.0	7.1	7.4	7.1	7.3	7.2	7.0	7.1
31	---	---	---	7.2	7.1	7.1	---	---	---	7.4	7.1	7.2
MONTH	---	---	---	---	---	---	7.9	7.0	7.2	8.7	6.4	7.3

02162105 BROAD RIVER DIVERSION CANAL AT COLUMBIA, S.C.--Continued

PH (UNITS), DECEMBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	7.4	7.2	7.3	7.0	6.8	6.8	6.7	6.3	6.5	7.0	6.9	6.9
2	7.4	7.1	7.2	6.9	6.4	6.7	6.8	6.7	6.7	7.1	6.9	7.0
3	7.3	7.1	7.2	6.7	6.4	6.6	6.8	6.7	6.7	7.2	7.0	7.1
4	7.3	7.1	7.2	6.8	6.7	6.7	6.7	6.6	6.6	7.2	7.0	7.1
5	7.7	7.1	7.3	6.9	6.8	6.9	6.6	6.2	6.5	7.2	7.0	7.1
6	8.3	7.3	7.7	6.9	6.7	6.8	6.6	5.9	6.3	7.7	7.1	7.3
7	8.6	7.4	8.0	6.9	6.7	6.8	6.7	6.6	6.6	7.1	6.9	7.0
8	8.6	7.9	8.3	6.9	6.8	6.8	6.7	6.6	6.6	7.0	6.8	6.9
9	8.5	7.7	8.1	7.1	6.6	6.9	6.7	6.7	6.7	7.0	6.8	6.9
10	8.1	7.2	7.5	6.7	6.6	6.6	7.0	6.7	6.8	7.0	6.9	6.9
11	7.5	7.0	7.2	6.7	6.6	6.6	7.0	6.7	6.8	7.0	6.9	7.0
12	7.7	7.1	7.4	6.9	6.6	6.7	6.9	6.7	6.8	6.9	6.7	6.8
13	7.6	7.1	7.3	6.6	6.6	6.6	6.8	6.7	6.8	7.0	6.7	6.8
14	7.4	7.1	7.2	6.8	6.6	6.7	6.8	6.7	6.7	7.1	6.8	6.9
15	7.9	7.0	7.4	6.8	6.7	6.7	6.9	6.7	6.8	6.9	6.7	6.8
16	7.8	7.1	7.4	6.8	6.8	6.8	6.9	6.7	6.8	7.0	6.8	6.9
17	7.3	6.9	7.1	7.0	6.8	6.9	6.8	6.3	6.6	7.0	6.9	7.0
18	7.1	6.8	7.0	7.0	6.9	6.9	6.5	6.3	6.4	7.0	6.8	6.9
19	6.9	6.7	6.8	7.0	6.6	6.9	6.6	6.5	6.6	6.8	6.4	6.6
20	6.7	6.6	6.7	6.8	6.7	6.7	6.7	6.6	6.6	6.7	6.3	6.5
21	6.8	6.7	6.7	6.8	6.7	6.7	6.8	6.7	6.7	6.4	6.2	6.3
22	7.1	6.8	6.9	7.2	6.6	6.9	6.9	5.8	6.8	6.6	6.3	6.4
23	7.0	6.8	6.9	7.1	6.8	7.0	6.9	6.9	6.9	6.6	6.5	6.5
24	7.0	6.7	6.9	7.0	6.9	7.0	---	---	---	6.7	6.5	6.6
25	6.9	6.6	6.8	6.9	6.8	6.9	---	---	---	6.6	6.4	6.5
26	6.9	6.7	6.8	7.0	6.5	6.8	---	---	---	6.7	6.6	6.6
27	6.8	6.6	6.7	6.9	6.6	6.7	---	---	---	6.7	6.7	6.7
28	6.7	6.6	6.7	7.0	6.8	6.9	---	---	---	6.8	6.7	6.8
29	6.9	6.7	6.6	6.9	6.6	6.7	---	---	---	7.0	6.8	6.9
30	6.9	6.8	6.8	6.7	6.6	6.7	---	---	---	7.0	6.9	6.9
31	---	---	---	6.7	6.5	6.7	6.9	6.7	6.8	---	---	---
MONTH	8.6	6.6	7.2	7.2	6.4	6.8	---	---	---	7.7	6.2	6.8

02163450 SALUDA RIVER DIVERSION CANAL AT WARE SHOALS, S.C.

LOCATION.--Lat 34°23'34", long 82°13'48", Laurens County, at Ware Shoals in Riegels powerplant, 0.75 miles downstream from Ware Shoals dam, and 6.5 miles upstream from Turkey Creek.

PERIOD OF RECORD.--Chemical analyses: March to September 1971.
Water temperatures: March to September 1971.

REMARKS.--Record of hourly values available in district office. Dissolved Oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), MARCH TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	29	22	26	33	23	28
2	---	---	---	---	---	---	27	17	24	31	21	27
3	---	---	---	---	---	---	27	14	22	29	21	26
4	---	---	---	---	---	---	28	20	24	31	20	26
5	---	---	---	21	18	19	27	20	24	35	22	28
6	---	---	---	22	17	18	26	19	21	37	22	29
7	---	---	---	23	18	20	26	20	24	35	22	28
8	---	---	---	21	19	19	28	20	24	33	25	29
9	---	---	---	24	15	20	30	17	24	34	23	28
10	---	---	---	23	17	21	30	21	25	31	20	25
11	---	---	---	25	22	24	34	23	28	31	17	24
12	---	---	---	28	20	24	36	24	29	32	23	27
13	---	---	---	28	22	26	35	21	29	39	20	24
14	---	---	---	29	21	26	28	20	23	20	16	18
15	---	---	---	26	20	22	30	18	26	---	---	---
16	---	---	---	27	14	21	32	24	28	---	---	---
17	---	---	---	23	15	18	36	25	30	---	---	---
18	---	---	---	24	20	22	38	22	30	---	---	---
19	---	---	---	25	18	22	35	23	29	28	19	24
20	---	---	---	26	21	24	33	22	27	28	16	22
21	---	---	---	26	17	22	31	22	26	27	19	23
22	---	---	---	24	19	21	33	23	27	27	14	20
23	---	---	---	24	18	21	25	19	21	29	20	24
24	---	---	---	24	17	21	32	23	27	30	20	24
25	---	---	---	24	22	23	33	21	28	28	21	24
26	---	---	---	24	19	22	33	23	30	29	15	22
27	---	---	---	24	20	22	32	22	27	33	17	25
28	---	---	---	28	21	24	33	24	27	29	24	26
29	---	---	---	28	21	25	33	21	28	29	22	25
30	---	---	---	27	20	24	29	24	27	28	22	25
31	---	---	---	29	21	25	---	---	---	34	21	26
MONTH	---	---	---	29	14	22	38	14	26	39	14	25

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	33	18	25	---	---	---	19	16	18	25	22	23
2	34	21	27	---	---	---	20	16	18	26	23	24
3	35	24	28	---	---	---	22	12	17	29	20	24
4	36	23	26	---	---	---	23	14	18	26	21	24
5	36	23	29	---	---	---	21	11	16	26	21	24
6	37	23	30	---	---	---	20	13	16	27	21	23
7	37	25	30	---	---	---	23	15	18	25	20	23
8	33	27	28	---	---	---	23	14	17	30	20	23
9	34	23	29	---	---	---	20	13	16	25	19	22
10	29	23	26	---	---	---	22	13	17	26	21	24
11	60	26	39	---	---	---	25	15	20	27	23	24
12	35	22	28	---	---	---	23	16	20	27	20	24
13	97	23	52	---	---	---	22	16	20	25	21	24
14	57	24	35	---	---	---	21	15	17	25	19	22
15	---	---	---	---	---	---	---	---	---	25	19	22
16	---	---	---	22	19	21	---	---	---	26	20	24
17	---	---	---	23	18	20	---	---	---	25	23	24
18	---	---	---	26	19	22	23	19	21	25	22	24
19	---	---	---	25	22	23	23	18	20	28	21	24
20	---	---	---	24	20	22	25	17	21	27	20	22
21	---	---	---	24	20	22	36	19	22	24	16	21
22	---	---	---	24	19	21	25	20	22	21	15	18
23	---	---	---	24	18	21	121	21	57	24	18	20
24	---	---	---	26	19	22	24	19	21	25	20	23
25	---	---	---	25	20	23	26	17	21	23	17	21
26	---	---	---	25	23	24	26	19	22	23	17	20
27	---	---	---	27	22	24	25	20	22	23	14	18
28	---	---	---	26	19	22	26	19	22	39	14	22
29	---	---	---	25	21	23	27	20	23	21	13	17
30	---	---	---	25	22	23	26	20	23	23	15	19
31	---	---	---	22	19	21	30	22	25	---	---	---
TH	---	---	---	---	---	---	121	12	26	39	13	22

02163450 SALUDA RIVER DIVERSION CANAL AT WARE SHOALS, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, MARCH TO SEPTEMBER 1971

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	10.0	10.0	---	9.0	7.9	8.5
2	---	---	---	---	---	---	10.0	10.0	---	9.2	8.1	8.7
3	---	---	---	---	---	---	10.0	10.0	---	9.9	8.4	9.1
4	---	---	---	---	---	---	10.0	9.6	---	10.0	9.2	9.6
5	---	---	---	10.0	9.9	---	10.0	9.1	---	9.9	8.5	9.3
6	---	---	---	10.0	10.0	---	10.0	9.1	9.4	9.6	8.5	8.9
7	---	---	---	10.0	5.8	---	10.0	9.2	9.7	9.2	8.0	8.5
8	---	---	---	10.0	7.5	---	10.0	9.1	9.5	9.0	7.6	8.1
9	---	---	---	10.0	8.5	---	10.0	9.3	---	8.5	7.5	7.9
10	---	---	---	10.0	9.5	---	10.0	9.4	---	8.5	7.3	7.8
11	---	---	---	10.0	10.0	---	10.0	8.9	9.4	8.6	7.5	7.8
12	---	---	---	10.0	10.0	---	9.7	9.0	9.3	8.4	6.2	7.6
13	---	---	---	10.0	10.0	---	9.4	8.8	9.0	8.6	7.4	8.0
14	---	---	---	10.0	9.6	9.7	9.6	8.7	9.0	8.8	8.7	8.7
15	---	---	---	10.0	9.4	9.6	10.0	8.8	---	---	---	---
16	---	---	---	10.0	9.5	9.7	10.0	8.7	9.1	---	---	---
17	---	---	---	10.0	9.4	9.7	9.8	8.6	9.1	---	---	---
18	---	---	---	10.0	10.0	---	9.7	8.6	9.0	---	---	---
19	---	---	---	10.0	9.9	---	9.6	8.2	8.8	9.4	8.9	9.1
20	---	---	---	10.0	10.0	---	9.6	8.3	8.7	9.1	8.3	8.9
21	---	---	---	10.0	10.0	---	9.3	7.9	8.5	8.7	8.2	8.4
22	---	---	---	10.0	10.0	---	9.1	7.8	8.4	8.3	7.1	8.0
23	---	---	---	10.0	10.0	---	8.9	7.4	8.1	8.0	6.6	7.2
24	---	---	---	10.0	10.0	---	9.7	8.6	9.1	8.2	7.3	7.6
25	---	---	---	9.9	9.9	---	9.4	8.7	9.0	7.2	5.3	6.6
26	---	---	---	10.0	9.9	---	10.0	9.0	9.5	5.8	4.9	5.4
27	---	---	---	10.0	10.0	---	9.8	8.8	9.4	8.2	4.3	6.8
28	---	---	---	10.0	10.0	---	9.5	8.2	8.8	7.6	6.4	6.9
29	---	---	---	10.0	10.0	---	9.3	8.2	8.6	8.5	6.9	7.2
30	---	---	---	10.0	10.0	---	8.9	7.8	8.2	8.0	7.4	7.6
31	---	---	---	10.0	10.0	---	---	---	---	8.2	7.7	7.9
MONTH	---	---	---	10.0	5.8	---	10.0	7.4	---	10.0	4.3	8.0

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.1	7.4	7.9	---	---	---	7.9	6.6	7.3	7.8	5.8	6.8
2	7.7	7.2	7.5	---	---	---	7.4	6.2	6.9	8.1	6.8	7.4
3	7.5	6.9	7.1	---	---	---	7.0	6.0	6.5	8.0	7.2	7.6
4	8.4	7.1	7.7	---	---	---	7.2	6.6	6.5	8.3	7.2	7.6
5	8.3	7.0	7.5	---	---	---	9.2	7.2	8.2	7.7	7.0	7.3
6	7.9	7.0	7.4	---	---	---	9.3	6.1	7.9	8.1	7.0	7.5
7	8.2	7.0	7.5	---	---	---	7.1	5.7	6.5	7.9	7.0	7.4
8	8.0	6.6	7.2	---	---	---	6.7	5.7	6.2	7.4	6.7	7.2
9	7.5	6.7	7.1	---	---	---	---	---	---	8.2	7.0	7.4
10	7.6	6.7	7.1	---	---	---	---	---	---	7.8	6.8	7.2
11	8.2	6.9	7.3	---	---	---	---	---	---	7.7	6.9	7.2
12	7.9	7.0	7.3	---	---	---	---	---	---	7.6	6.9	7.1
13	7.4	6.7	7.0	---	---	---	7.7	6.6	7.1	8.1	6.9	7.4
14	7.8	6.7	7.1	---	---	---	8.2	6.8	7.3	8.2	7.1	7.5
15	---	---	---	---	---	---	7.5	6.0	6.9	8.0	6.9	7.4
16	---	---	---	8.0	6.7	7.6	8.3	6.8	7.4	7.7	6.8	7.2
17	---	---	---	8.5	7.2	7.7	---	---	---	7.4	6.7	7.0
18	7.9	7.2	7.6	8.3	6.9	7.6	---	---	---	7.3	6.9	7.1
19	8.0	7.1	7.4	7.8	7.0	7.3	8.2	7.0	7.6	7.3	6.9	7.0
20	8.8	7.1	7.6	8.5	7.4	7.8	7.6	7.0	7.3	7.8	7.3	7.6
21	8.4	7.2	7.6	8.1	7.4	7.7	7.7	6.9	7.2	7.6	6.9	7.2
22	7.8	6.9	7.3	8.1	7.1	7.5	7.5	6.8	7.1	7.4	7.1	7.2
23	7.7	6.8	7.1	7.9	6.9	7.4	7.8	6.9	7.2	7.5	6.8	7.1
24	7.8	6.7	7.2	7.7	7.1	7.3	8.1	7.0	7.4	7.6	7.3	7.5
25	7.1	6.5	6.8	8.1	5.1	7.4	7.9	6.9	7.3	7.4	6.7	7.1
26	6.7	6.3	6.4	8.5	5.4	6.5	7.8	6.8	7.2	7.7	7.3	7.5
27	---	---	---	6.7	5.1	5.7	8.1	6.9	7.4	7.5	7.3	7.4
28	---	---	---	5.5	5.4	5.7	8.0	6.9	7.4	7.3	6.3	6.7
29	---	---	---	6.3	5.9	6.0	7.8	7.0	7.4	7.3	6.3	6.9
30	---	---	---	9.2	6.5	7.1	8.0	6.7	7.3	7.4	7.0	7.2
31	---	---	---	7.3	7.1	7.2	7.6	6.9	7.2	---	---	---
MONTH	---	---	---	---	---	---	9.3	5.7	7.2	8.3	5.8	7.3

02163450 SALUDA RIVER DIVERSION CANAL AT WARE SHOALS, S.C.--Continued

TEMPERATURE (°C) OF WATER, MARCH TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	16.0	15.0	14.0	22.0	18.5	20.0
2	---	---	---	---	---	---	15.0	13.0	14.0	20.0	18.5	19.5
3	---	---	---	---	---	---	16.0	11.5	14.0	19.5	17.5	18.5
4	---	---	---	---	---	---	17.5	13.5	15.5	20.0	15.5	18.0
5	---	---	---	13.5	11.0	13.0	15.5	14.0	15.0	22.0	17.0	19.5
6	---	---	---	14.0	11.5	12.5	15.5	13.5	14.0	23.5	19.0	21.0
7	---	---	---	15.0	12.5	14.0	15.5	13.0	14.0	24.5	19.5	22.0
8	---	---	---	13.0	10.5	12.0	17.0	13.0	15.0	25.0	22.5	23.5
9	---	---	---	14.0	7.5	10.5	18.0	13.0	15.5	25.5	22.5	24.0
10	---	---	---	11.5	8.5	10.5	19.5	14.5	16.5	24.0	22.0	23.0
11	---	---	---	13.0	9.0	11.0	20.0	15.5	17.5	23.0	19.5	21.5
12	---	---	---	14.0	10.0	12.0	20.5	15.5	18.0	24.0	22.0	22.5
13	---	---	---	15.5	12.5	14.0	22.0	16.5	19.0	23.5	20.0	21.5
14	---	---	---	17.0	14.0	15.5	20.5	17.0	19.0	20.0	18.0	19.0
15	---	---	---	16.0	15.0	15.5	20.5	16.5	18.5	---	---	---
16	---	---	---	18.0	12.5	15.5	21.0	16.5	19.0	---	---	---
17	---	---	---	16.0	12.5	14.5	22.5	17.5	20.0	---	---	---
18	---	---	---	16.5	13.0	14.5	22.5	18.0	20.5	---	---	---
19	---	---	---	16.5	13.5	14.5	23.5	19.5	21.0	24.5	21.5	23.5
20	---	---	---	15.0	13.0	14.0	22.0	19.0	21.0	25.0	20.0	22.5
21	---	---	---	14.5	10.5	12.5	21.5	20.0	21.0	24.5	22.0	23.5
22	---	---	---	14.0	12.0	13.0	24.0	20.0	22.0	25.0	20.5	22.5
23	---	---	---	15.5	11.5	13.5	20.0	16.0	19.0	29.5	22.0	25.0
24	---	---	---	15.5	13.0	14.0	20.5	16.5	18.0	25.5	22.5	23.5
25	---	---	---	14.5	10.0	12.5	21.0	16.5	19.0	25.0	22.5	23.5
26	---	---	---	9.5	8.0	9.0	21.0	18.0	19.5	28.0	20.5	24.0
27	---	---	---	10.0	7.0	8.5	22.0	18.0	20.0	27.5	21.5	24.5
28	---	---	---	12.0	9.0	10.5	23.0	19.5	21.0	25.0	23.0	24.5
29	---	---	---	13.5	11.0	12.5	22.5	20.0	21.5	22.5	21.5	22.0
30	---	---	---	14.0	10.5	12.0	21.0	19.5	20.0	21.5	19.5	20.5
31	---	---	---	14.5	11.0	12.5	---	---	---	23.5	18.5	21.0
MONTH	---	---	---	18.0	7.0	12.5	24.0	11.5	18.0	29.5	15.5	22.0

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	19.0	22.5	31.5	28.5	30.0	27.5	25.0	26.0	28.0	27.0	27.5
2	26.5	22.0	24.0	29.5	29.0	29.0	27.5	25.5	26.0	28.5	26.5	27.5
3	28.0	24.0	25.5	---	---	---	28.0	24.5	26.0	28.5	25.5	27.0
4	29.5	24.5	26.5	---	---	---	29.0	25.0	27.0	28.5	26.0	27.5
5	30.0	25.5	27.5	---	---	---	29.0	24.5	26.0	29.0	27.0	28.0
6	31.0	25.5	28.5	---	---	---	26.5	24.5	25.0	29.5	27.0	28.0
7	30.5	26.5	28.5	---	---	---	28.5	24.5	26.5	29.0	26.5	28.0
8	30.0	27.5	28.5	---	---	---	29.0	25.5	27.0	29.0	26.5	27.5
9	30.0	26.0	28.0	---	---	---	29.0	25.5	27.0	29.5	26.0	28.0
10	27.5	26.0	26.5	---	---	---	30.0	25.5	27.5	28.0	27.0	27.5
11	28.5	25.5	27.0	---	---	---	30.5	27.5	28.5	28.5	27.0	28.0
12	29.5	25.0	27.0	---	---	---	30.0	27.0	28.0	28.0	26.5	27.5
13	30.0	26.0	28.0	---	---	---	29.5	25.5	27.0	27.5	25.5	26.5
14	30.0	26.0	27.5	---	---	---	29.0	25.0	26.5	27.0	23.5	25.5
15	---	---	---	---	---	---	28.5	25.0	27.0	27.5	24.0	26.0
16	---	---	---	29.0	28.0	28.5	27.5	26.0	26.5	27.0	25.0	26.0
17	---	---	---	30.5	27.5	28.5	26.0	24.0	25.0	26.5	25.5	25.5
18	29.0	26.0	27.0	31.5	28.5	29.5	28.5	21.5	25.0	27.0	25.5	26.0
19	29.0	25.5	27.0	30.5	28.5	29.5	29.0	25.5	27.0	27.5	25.5	26.5
20	29.0	27.0	28.0	30.0	28.0	29.0	31.0	27.0	28.5	26.5	24.0	25.0
21	30.5	27.0	28.5	30.0	28.5	29.0	31.0	28.0	29.5	27.5	24.0	26.0
22	29.0	26.5	28.0	30.0	27.5	28.5	29.5	28.5	29.0	26.5	24.0	25.0
23	29.5	26.5	28.0	29.5	26.5	28.0	30.0	28.0	29.0	25.0	24.0	24.5
24	30.5	26.5	28.5	30.0	27.5	28.5	30.0	27.0	28.0	27.0	24.0	25.5
25	31.0	26.5	28.5	29.0	27.5	28.5	30.0	26.5	28.0	26.0	24.0	25.0
26	32.5	27.5	29.5	29.5	27.0	28.0	29.0	27.0	28.0	26.5	23.0	24.5
27	33.0	27.5	29.5	30.0	27.5	28.5	30.0	27.0	28.5	26.0	22.5	24.0
28	31.5	27.5	29.5	30.5	27.0	28.5	29.5	27.0	28.5	25.0	22.5	24.0
29	31.5	24.0	30.0	30.5	28.5	29.0	29.0	27.0	28.0	27.0	24.0	25.0
30	31.5	29.5	30.0	29.5	28.5	28.5	28.5	27.0	27.5	27.5	24.0	25.5
31	---	---	---	29.0	28.0	27.5	29.5	27.0	28.0	---	---	---
MONTH	33.0	19.0	27.5	---	---	---	31.0	21.5	27.5	29.5	22.5	26.0

02163450 SALUDA RIVER DIVERSION CANAL AT WARE SHOALS, S.C.--Continued

PH (UNITS), MARCH TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	6.9	6.5	6.7	7.4	7.0	7.2
2	---	---	---	---	---	---	6.9	6.6	6.7	7.4	6.9	7.1
3	---	---	---	---	---	---	6.9	6.6	6.8	7.3	6.9	7.0
4	---	---	---	---	---	---	7.1	6.7	6.8	7.3	6.8	7.0
5	---	---	---	6.3	6.1	6.2	6.9	6.7	6.8	7.3	6.9	7.0
6	---	---	---	7.8	6.2	6.7	7.0	6.9	6.9	7.3	6.5	7.0
7	---	---	---	7.5	6.0	6.7	7.3	6.7	7.0	7.9	7.1	7.5
8	---	---	---	7.8	6.4	6.7	7.4	7.0	7.2	8.2	7.8	8.0
9	---	---	---	7.8	6.4	7.5	7.2	6.7	7.0	8.2	7.6	7.9
10	---	---	---	---	---	---	7.2	6.7	6.9	8.6	7.7	8.2
11	---	---	---	---	---	---	7.0	6.7	6.8	8.8	7.9	8.4
12	---	---	---	6.7	6.4	6.6	7.0	6.6	6.8	8.7	8.1	8.4
13	---	---	---	6.9	6.4	6.6	7.0	6.6	6.8	8.2	7.1	7.7
14	---	---	---	7.0	6.5	6.8	7.3	6.7	6.9	7.0	6.8	6.8
15	---	---	---	7.4	7.0	7.2	7.3	6.8	7.0	---	---	---
16	---	---	---	7.8	6.7	7.0	7.4	6.9	7.1	---	---	---
17	---	---	---	7.8	6.8	7.4	7.4	6.9	7.0	---	---	---
18	---	---	---	6.9	6.8	6.9	7.3	6.8	6.9	---	---	---
19	---	---	---	7.8	6.9	7.1	7.3	6.7	6.9	7.1	6.7	6.9
20	---	---	---	7.8	6.7	7.0	7.3	6.7	7.0	8.3	7.1	7.6
21	---	---	---	7.8	6.7	7.0	7.6	6.9	7.2	8.5	7.5	8.0
22	---	---	---	7.8	6.8	7.6	7.7	7.1	7.4	8.4	7.1	7.8
23	---	---	---	7.8	6.9	7.2	8.7	7.2	7.7	8.5	7.0	7.8
24	---	---	---	7.8	6.8	7.4	8.4	7.2	7.7	9.0	7.5	8.0
25	---	---	---	7.8	6.7	6.8	7.4	6.7	7.0	8.0	7.4	7.7
26	---	---	---	6.9	6.6	6.7	7.1	6.5	6.8	8.3	7.2	7.5
27	---	---	---	6.9	6.6	6.7	7.0	6.4	6.7	7.6	6.0	7.3
28	---	---	---	6.8	6.6	6.7	7.1	6.6	6.8	8.2	7.6	7.9
29	---	---	---	6.9	6.5	6.7	7.5	6.4	7.0	8.5	7.6	8.1
30	---	---	---	6.8	6.5	6.6	7.4	7.0	7.2	9.0	8.0	8.5
31	---	---	---	6.8	6.6	6.7	---	---	---	9.1	7.3	8.1
MONTH	---	---	---	7.8	6.0	6.9	8.7	6.4	7.0	9.1	6.0	7.6

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	8.3	6.9	7.4	7.7	7.1	7.4	---	---	---	7.6	7.1	7.4
2	7.7	6.9	7.2	7.3	6.8	7.0	---	---	---	7.5	7.0	7.2
3	7.1	6.5	6.9	---	---	---	---	---	---	7.1	6.7	6.9
4	7.2	6.9	7.0	---	---	---	---	---	---	7.4	6.9	7.1
5	7.6	6.7	7.0	---	---	---	6.6	6.4	6.5	7.3	6.8	7.0
6	7.6	6.4	6.9	---	---	---	6.9	6.5	6.7	7.4	6.9	7.2
7	7.2	6.7	6.9	---	---	---	6.9	6.5	6.7	7.1	6.7	7.0
8	7.1	6.6	6.8	---	---	---	7.7	6.8	7.2	6.9	6.4	6.8
9	7.0	6.5	6.7	---	---	---	7.7	7.6	7.7	7.6	6.7	7.1
10	7.3	6.9	7.0	---	---	---	7.7	7.3	7.6	7.5	7.0	7.2
11	7.3	7.0	7.1	---	---	---	7.2	6.8	7.0	7.5	7.2	7.4
12	8.0	6.8	7.3	---	---	---	7.4	6.9	7.1	7.2	6.9	7.1
13	7.4	6.4	6.8	---	---	---	8.1	6.7	7.3	7.4	6.8	7.1
14	7.5	6.8	7.1	---	---	---	6.7	6.5	6.6	7.3	6.9	7.1
15	---	---	---	---	---	---	6.8	6.2	6.5	7.3	6.9	7.0
16	---	---	---	---	---	---	7.1	6.9	7.0	7.3	6.9	7.0
17	---	---	---	---	---	---	7.8	6.8	7.0	7.0	7.0	7.0
18	8.1	6.8	7.7	---	---	---	7.9	6.5	7.1	7.5	7.0	7.2
19	9.3	8.0	8.3	---	---	---	6.7	6.1	6.5	7.0	7.0	7.0
20	---	---	---	---	---	---	7.4	6.4	6.8	7.4	6.9	7.1
21	---	---	---	---	---	---	7.4	6.8	7.1	7.4	7.0	7.0
22	8.1	7.4	7.7	---	---	---	7.4	7.0	7.2	7.4	7.0	7.2
23	7.5	7.2	7.3	---	---	---	7.3	7.0	7.2	7.3	7.0	7.1
24	7.8	7.2	7.4	---	---	---	7.2	6.7	6.9	7.4	7.0	7.2
25	8.4	7.0	7.5	---	---	---	6.9	6.4	6.7	7.1	6.6	6.9
26	---	---	---	7.4	6.8	7.1	7.4	6.2	6.8	7.1	6.7	6.9
27	---	---	---	7.2	6.5	6.8	7.5	7.0	7.2	7.2	6.7	6.9
28	8.4	6.8	7.6	6.9	6.3	6.6	7.2	6.6	7.0	7.1	6.9	7.0
29	7.9	7.2	7.6	6.8	6.5	6.6	7.2	6.7	7.0	7.3	7.0	7.2
30	9.0	7.2	7.6	6.7	6.6	6.6	7.5	7.0	7.2	7.4	7.2	7.3
31	---	---	---	---	---	---	7.4	6.8	7.0	---	---	---
MONTH	---	---	---	---	---	---	8.1	6.1	7.0	7.6	6.4	7.1

02163500 SALUDA RIVER NEAR WARE SHOALS, S.C.

LOCATION (REVISED).--Lat 34°23'23", long 82°13'14", Greenwood County, at bridge on U.S. Highway 25 bypass, 0.9 mile upstream from gaging station, 1.4 miles southeast of Ware Shoals, 1.6 miles downstream from Ware Shoals Dam, 5.8 miles upstream from Turkey Creek, and at mile 84.6.

DRAINAGE AREA.--580 sq mi (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
OCT.												
26...	1030	18.2	528	50	--	6.7	.030	.3	0	--	--	1.6
26...	1030	18.2	528	68	8.6	7.2	--	--	--	--	4200	--
MAY												
10...	0945	22.5	855	--	--	--	.010	1.4	0	0	--	--
10...	0945	22.5	855	44	8.4	7.1	--	--	--	--	4400	--
JUNE												
14...	0945	27.0	662	--	--	--	.030	.8	0	0	--	--
14...	0945	27.0	662	49	7.7	7.0	--	--	--	--	1500	--
JULY												
08...	1310	28.0	527	--	--	--	--	--	--	--	--	--
08...	1310	28.0	527	44	7.8	7.0	--	--	--	--	8800	--
AUG.												
24...	0930	26.5	604	--	--	--	--	--	--	--	--	2.6
24...	0930	26.5	604	57	7.6	7.2	--	--	--	--	4300	--
SEP.												
13...	0930	25.0	335	--	--	--	--	--	--	--	--	1.0
13...	0930	25.0	335	50	8.1	7.2	--	--	--	--	3100	--

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
26...	1030	18.2	528	5	15	50	--	1.6	6.7	13	16	0
26...	1030	18.2	528	--	--	68	8.6	--	7.2	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.												
26...	20	.030	10	0	3.2	2.0	.0	--	3	8	164	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.												
26...	0	0	.1	.3	3.8	1.2	--	.04	40	57.0	.05	.3
26...	--	--	--	--	--	--	4200	--	--	--	--	--

02164000 REEDY RIVER NEAR GREENVILLE, S.C.

LOCATION.--Lat 34°48'00", long 82°21'58", Greenville County, at gaging station on right bank, 375 ft downstream from bridge on Interstate Highway 85, 0.5 mile upstream from Brushy Creek, 2.5 miles upstream from dam at Conestee, 3.9 miles southeast of city hall in Greenville, and at mile 48.5.

DRAINAGE AREA.--48.6 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	FECAL COLIFORM (COL. PER 100 ML)	BIOCHEMICAL OXYGEN DEMAND (MG/L)
OCT.												
26...	1130	16.5	32	123	--	7.3	.030	2.8	0	--	--	1.3
26...	1130	16.5	32	135	8.6	7.5	--	--	--	--	--	--
MAY												
10...	1130	18.5	58	--	--	--	.000	.5	0	0	--	--
10...	1130	18.5	58	100	8.4	7.0	--	--	--	--	--	--
JUNE												
14...	1115	21.5	51	--	--	--	.030	2.9	0	6	--	--
14...	1115	21.5	51	110	7.3	7.0	--	--	--	--	--	--
JULY												
08...	1200	24.5	81	70	7.2	6.8	--	--	--	--	17600	--
AUG.												
24...	1020	24.0	43	--	--	--	--	--	--	--	--	1.1
24...	1020	24.0	43	114	7.9	7.2	--	--	--	--	6800	--
SEP.												
13...	1015	19.5	33	--	--	--	--	--	--	--	--	.2
13...	1015	19.5	33	130	8.6	7.3	--	--	--	--	6070	--

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
26...	1130	16.5	32	4	20	123	--	1.3	7.3	43	53	0
26...	1130	16.5	32	--	--	135	8.6	--	7.5	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.												
26...	3	.030	20	0	9.4	4.8	.1	--	1	20	318	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.												
26...	32	0	.4	.1	4.9	.9	--	.05	84	7.26	.11	2.8

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.

LOCATION (REVISED).--Lat 34°27'43", long 82°11'50", Laurens County, at bridge on State Highway 252, 200 ft downstream from dam at Boyds Mill, 0.6 mile upstream from gaging station, 4.5 miles northeast of Ware Shoals, 9.9 miles upstream from Rabon Creek, and at mile 13.5.

DRAINAGE AREA.--228 sq mi (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.
Water temperatures: February to September 1971.

REMARKS.--Continuous water-quality monitor located 200 ft upstream. Record of hourly values available in district office, Columbia, S.C. Dissolved oxygen is greater than 10 mg/l when no mean is computed for the day and 10 is printed for maximum.

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED CHROMIUM (CR) (UG/L)
OCT.										
26...	1000	16.5	690	250	--	7.6	.65	4.0	0	--
26...	1000	16.5	690	310	7.3	7.5	--	--	--	--
MAY										
10...	1030	19.5	620	--	--	--	.23	6.3	0	25
10...	1030	19.5	620	185	7.6	7.2	--	--	--	--
JUNE										
14...	1025	24.5	255	--	--	--	.51	5.3	0	13
14...	1025	24.5	255	220	7.1	7.3	--	--	--	--

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
26...	1000	16.5	690	2	40	250	--	3.0	7.6	71	86	0
26...	1000	16.5	690	--	--	310	7.3	--	7.5	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	DISSOLVED CHROMIUM (CR) (UG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.												
26...	5	.650	15	0	24	18	.2	--	0	45	357	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
26...	57	0	.6	.2	7.1	.9	.17	170	317	.23	4.0

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), FEBRUARY TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	---	---	---	90	85	88	162	147	157
2	---	---	---	---	---	---	105	87	96	165	155	159
3	---	---	---	---	---	---	125	97	108	170	157	162
4	---	---	---	---	---	---	138	122	130	179	167	173
5	---	---	---	68	49	38	145	134	139	177	170	174
6	---	---	---	---	---	---	145	142	143	170	162	166
7	---	---	---	---	---	---	142	122	136	162	154	158
8	---	---	---	---	---	---	125	113	119	165	154	160
9	---	---	---	---	---	---	136	121	127	176	164	169
10	---	---	---	---	---	---	133	121	126	179	169	175
11	---	---	---	---	---	---	133	117	124	189	180	185
12	91	81	87	---	---	---	138	121	129	184	167	177
13	112	87	98	---	---	---	138	129	133	168	142	158
14	138	112	125	---	---	---	131	103	117	144	105	128
15	147	137	140	---	---	---	114	100	106	104	100	101
16	139	119	127	---	---	---	108	98	102	104	80	91
17	119	98	110	---	---	---	115	97	105	96	83	92
18	110	101	106	122	110	114	138	107	123	95	84	89
19	112	97	104	147	92	114	151	139	145	95	86	90
20	120	100	112	103	88	96	164	144	154	102	88	95
21	142	121	132	122	98	108	164	157	160	119	101	109
22	156	143	148	---	---	---	159	149	153	146	115	128
23	157	78	122	---	---	---	167	150	157	172	145	158
24	74	60	65	---	---	---	166	154	160	180	167	173
25	90	57	64	---	---	---	167	159	164	176	168	174
26	86	73	82	---	---	---	160	135	153	172	162	166
27	111	86	102	---	---	---	134	128	131	---	---	---
28	127	104	114	---	---	---	133	122	128	---	---	---
29	---	---	---	---	---	---	141	119	131	159	150	152
30	---	---	---	---	---	---	147	134	138	181	155	167
31	---	---	---	---	---	---	---	---	---	194	176	185
MONTH	---	---	---	---	---	---	167	85	131	194	80	147

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	195	186	189	---	---	---	132	120	126	238	226	232
2	187	179	183	---	---	---	---	---	---	235	231	233
3	178	172	176	---	---	---	---	---	---	---	---	---
4	172	161	166	---	---	---	---	---	---	---	---	---
5	180	164	172	---	---	---	98	91	95	---	---	---
6	188	174	181	---	---	---	104	98	101	---	---	---
7	198	187	191	---	---	---	137	104	119	---	---	---
8	---	---	---	183	175	178	135	129	132	---	---	---
9	---	---	---	178	162	168	131	116	124	252	248	250
10	---	---	---	---	---	---	129	120	125	249	231	241
11	---	---	---	---	---	---	136	128	131	233	218	225
12	---	---	---	160	150	156	132	118	125	217	210	213
13	---	---	---	158	155	156	145	115	130	211	200	209
14	---	---	---	---	---	---	144	133	141	222	207	212
15	---	---	---	---	---	---	141	132	136	230	215	221
16	---	---	---	---	---	---	139	136	136	232	221	227
17	---	---	---	---	---	---	146	138	142	228	218	223
18	---	---	---	---	---	---	155	144	151	219	214	216
19	---	---	---	---	---	---	154	150	152	221	216	219
20	---	---	---	---	---	---	152	143	147	221	200	215
21	---	---	---	---	---	---	154	145	149	199	158	180
22	---	---	---	---	---	---	168	154	161	156	132	143
23	---	---	---	---	---	---	190	169	178	136	129	133
24	---	---	---	165	162	163	198	182	190	140	128	133
25	---	---	---	164	163	164	200	189	194	134	128	131
26	---	---	---	---	---	---	197	190	195	175	132	155
27	---	---	---	---	---	---	191	179	186	176	152	165
28	---	---	---	---	---	---	181	177	178	187	176	181
29	---	---	---	---	---	---	179	176	177	182	169	179
30	---	---	---	157	146	150	209	176	188	178	168	172
31	---	---	---	150	135	145	235	200	214	---	---	---
MONTH	---	---	---	---	---	---	235	91	151	252	128	196

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.--Continued

DISSOLVED OXYGEN (DO), IN MILLIGRAMS PER LITER, FEBRUARY TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	7.9	7.4	7.6	8.8	8.5	8.6	6.0	5.2	5.6
2	---	---	---	7.9	7.5	7.7	9.0	8.5	8.7	6.5	5.5	5.9
3	---	---	---	8.8	7.9	8.4	8.8	8.0	8.5	6.7	5.0	5.9
4	---	---	---	8.6	8.2	8.3	8.5	8.0	8.2	6.1	4.4	5.1
5	---	---	---	9.8	8.6	9.0	8.8	8.2	8.5	4.9	4.4	4.6
6	---	---	---	9.8	8.9	9.4	8.8	8.3	8.5	7.8	4.4	6.3
7	---	---	---	9.0	8.9	9.0	8.7	8.1	8.4	8.3	7.1	7.6
8	---	---	---	8.8	8.5	8.7	8.5	7.9	8.2	8.2	6.2	7.0
9	---	---	---	8.5	8.3	8.4	8.0	7.6	7.9	7.2	5.5	6.4
10	---	---	---	8.8	8.5	8.6	8.7	7.9	8.3	7.9	5.7	6.2
11	---	---	---	9.0	8.8	8.9	9.2	8.3	8.6	6.2	4.9	5.7
12	10.0	10.0	---	---	---	---	9.3	8.2	8.6	6.8	5.5	5.9
13	10.0	10.0	---	---	---	---	9.4	8.3	8.7	7.6	5.6	6.6
14	9.9	9.1	9.6	---	---	---	9.6	8.3	8.8	7.9	6.2	6.9
15	10.0	6.0	---	---	---	---	8.4	6.4	7.6	6.7	5.9	6.2
16	8.7	5.8	6.8	---	---	---	9.0	8.0	8.5	8.6	6.5	7.8
17	9.3	5.6	8.0	---	---	---	9.2	8.0	8.4	8.4	7.3	7.7
18	9.5	8.3	9.0	7.3	6.9	7.1	10.0	10.0	---	7.4	6.9	7.1
19	9.6	9.0	9.3	8.4	7.3	7.7	9.5	7.7	8.6	7.5	5.7	6.8
20	9.3	8.7	8.9	8.5	8.3	8.4	10.0	9.7	---	7.4	6.8	7.1
21	8.8	8.2	8.5	8.5	7.8	8.2	10.0	9.6	---	9.0	6.8	7.7
22	8.3	7.7	8.0	8.1	8.0	8.0	10.0	9.8	---	7.8	6.7	7.4
23	8.1	7.7	7.9	8.3	8.0	8.2	8.5	5.8	7.1	7.4	6.2	6.9
24	8.2	7.8	8.0	8.2	7.8	8.1	7.7	6.0	6.8	7.0	5.6	6.3
25	8.6	8.0	8.3	8.0	7.9	7.9	7.2	6.3	6.9	6.7	5.6	6.0
26	8.7	8.4	8.3	---	---	---	6.9	5.8	6.2	7.0	5.4	6.2
27	8.5	8.3	8.4	---	---	---	6.0	5.7	5.9	6.4	5.4	5.8
28	8.3	7.9	8.1	---	---	---	7.7	5.9	6.7	6.6	5.3	5.8
29	---	---	---	---	---	---	7.4	6.0	6.7	5.6	4.3	5.0
30	---	---	---	---	---	---	6.4	5.5	6.1	5.6	3.7	4.9
31	---	---	---	---	---	---	---	---	---	5.7	4.9	5.3
MONTH	---	---	---	---	---	---	10.0	5.5	7.8	9.0	3.7	6.3

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	6.0	4.4	5.0	---	---	---	6.9	6.4	6.5	4.7	3.9	4.3
2	6.3	4.3	5.6	---	---	---	---	---	---	5.3	4.6	4.9
3	7.1	5.6	6.4	---	---	---	---	---	---	---	---	---
4	8.9	6.8	7.8	---	---	---	---	---	---	---	---	---
5	9.1	7.7	8.3	---	---	---	7.0	5.8	6.3	---	---	---
6	9.1	5.3	7.9	---	---	---	6.4	5.5	5.9	---	---	---
7	8.1	6.7	7.4	---	---	---	6.9	5.9	6.2	---	---	---
8	8.9	4.4	7.3	5.9	5.0	5.7	6.9	5.2	6.1	---	---	---
9	9.6	6.2	7.4	6.5	5.7	6.1	6.9	5.3	5.7	4.8	3.8	4.3
10	9.6	6.0	6.8	6.6	5.8	6.2	5.9	5.1	5.4	6.7	4.1	5.4
11	9.6	5.2	6.3	6.1	5.2	5.8	7.7	4.9	6.0	6.7	4.9	5.8
12	---	---	---	5.8	4.6	5.2	10.0	6.0	---	6.1	4.2	5.1
13	---	---	---	5.3	4.3	4.6	8.7	5.0	6.3	4.6	3.0	4.0
14	---	---	---	---	---	---	6.7	5.9	6.3	6.5	3.0	3.9
15	---	---	---	---	---	---	6.6	4.9	5.6	5.4	3.5	4.4
16	---	---	---	---	---	---	5.2	4.7	4.9	7.6	4.7	5.8
17	---	---	---	---	---	---	6.9	4.7	5.8	7.5	5.4	6.2
18	---	---	---	---	---	---	6.5	5.4	5.8	6.4	4.9	5.5
19	---	---	---	---	---	---	5.7	5.2	5.4	5.5	4.7	5.0
20	---	---	---	---	---	---	5.8	5.3	5.5	4.9	4.1	4.5
21	---	---	---	---	---	---	6.0	5.3	5.6	4.6	3.9	4.3
22	---	---	---	---	---	---	5.8	5.1	5.4	5.4	4.2	5.0
23	---	---	---	---	---	---	6.5	4.7	5.2	5.2	4.2	4.8
24	---	---	---	7.8	6.7	7.1	7.0	4.6	5.4	5.7	5.0	5.2
25	---	---	---	7.1	6.6	6.8	7.1	4.0	5.4	5.9	5.1	5.6
26	---	---	---	---	---	---	6.2	3.5	4.6	5.6	4.2	4.9
27	---	---	---	---	---	---	5.9	4.2	5.0	6.1	4.5	5.5
28	---	---	---	---	---	---	5.2	3.9	4.5	6.7	5.5	6.1
29	---	---	---	---	---	---	3.9	3.4	3.6	7.5	6.1	6.8
30	---	---	---	6.3	4.9	5.6	3.9	3.0	3.3	8.0	6.4	7.0
31	---	---	---	6.9	5.6	6.2	4.1	3.1	3.4	---	---	---
MONTH	---	---	---	---	---	---	10.0	3.0	5.4	8.0	3.0	5.2

02165000 REEDY RIVER NEAR WARE SHOALS, S.C.--Continued

TEMPERATURE (°C) OF WATER, FEBRUARY TO SEPTEMBER 1971

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	---	---	---	13.5	11.5	12.5	13.0	11.5	12.5	19.0	17.0	18.0
2	---	---	---	14.0	12.5	13.5	15.5	12.0	13.5	19.0	16.5	17.5
3	---	---	---	13.5	11.0	12.0	14.0	11.5	13.0	19.5	16.0	18.0
4	---	---	---	11.5	10.5	11.0	14.0	11.0	12.5	18.0	17.0	17.5
5	---	---	---	10.5	6.5	9.5	13.5	12.0	13.0	17.5	16.0	17.0
6	---	---	---	8.0	5.5	7.0	13.5	13.0	13.5	18.5	16.0	17.5
7	---	---	---	9.0	7.5	8.0	14.0	12.0	13.0	19.5	17.5	18.0
8	---	---	---	9.5	7.5	8.5	14.5	11.0	12.5	19.5	18.0	19.0
9	---	---	---	9.5	7.5	8.5	14.5	11.0	13.0	20.5	18.5	19.5
10	---	---	---	8.5	7.5	8.0	16.5	13.0	14.5	20.5	17.5	19.0
11	---	---	---	9.5	8.0	9.0	17.5	13.5	15.5	20.5	19.0	19.5
12	4.5	4.0	4.5	---	---	---	19.0	15.0	16.5	20.5	19.5	20.0
13	6.0	3.5	5.0	---	---	---	20.0	16.5	18.5	21.0	19.5	20.0
14	7.5	6.0	7.0	---	---	---	20.0	17.0	19.0	20.0	19.0	19.5
15	7.5	5.5	6.5	---	---	---	19.0	16.0	17.5	19.0	18.5	19.0
16	7.0	5.5	6.0	---	---	---	20.0	16.5	18.0	18.5	17.5	18.0
17	8.0	6.0	7.0	---	---	---	19.0	15.5	17.0	20.0	17.5	18.5
18	8.0	5.5	7.0	16.0	13.5	15.5	20.0	16.0	18.0	20.5	18.0	19.0
19	7.5	5.0	6.5	15.5	13.0	14.5	19.5	17.5	18.5	20.5	19.0	20.0
20	9.0	7.0	8.0	13.5	11.0	12.5	20.5	17.5	18.5	21.5	19.5	20.5
21	10.0	8.5	9.5	12.0	10.0	11.0	20.5	18.5	19.5	23.0	20.5	22.0
22	12.0	10.0	11.0	12.5	11.0	12.0	21.0	17.5	19.0	23.0	20.5	21.5
23	12.5	11.0	12.0	14.0	12.0	17.5	18.5	16.0	17.0	22.5	21.0	21.5
24	11.5	9.5	10.5	14.0	11.0	12.5	18.5	15.0	16.5	22.0	20.5	21.5
25	11.5	9.0	10.0	12.0	11.5	12.0	18.0	15.5	17.0	22.0	20.5	21.5
26	11.0	9.5	10.5	---	---	---	18.0	14.5	16.0	23.0	20.0	21.5
27	13.5	11.0	12.0	---	---	---	16.5	15.0	16.0	22.5	20.5	21.5
28	13.0	10.0	11.5	---	---	---	20.0	15.5	17.5	22.0	20.5	21.5
29	---	---	---	---	---	---	19.0	17.5	18.5	21.0	19.0	20.0
30	---	---	---	---	---	---	18.5	17.5	18.0	20.5	19.0	19.5
31	---	---	---	---	---	---	---	---	---	19.5	17.0	18.5
MONTH	---	---	---	---	---	---	21.0	11.0	16.0	23.0	16.0	19.5

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	20.0	16.5	18.0	---	---	---	24.5	24.5	24.5	24.5	24.0	24.5
2	20.5	17.5	19.0	---	---	---	---	---	---	24.5	24.0	24.0
3	21.0	19.0	20.0	---	---	---	---	---	---	---	---	---
4	22.5	19.5	21.0	---	---	---	---	---	---	---	---	---
5	23.5	20.5	22.0	---	---	---	24.0	22.5	23.0	---	---	---
6	24.5	21.5	23.0	---	---	---	24.0	23.5	23.5	---	---	---
7	25.0	22.5	23.5	---	---	---	25.0	23.0	24.0	---	---	---
8	25.5	23.5	24.5	24.0	24.0	24.0	25.0	23.5	24.0	---	---	---
9	27.5	23.5	25.0	24.0	23.5	24.0	24.0	23.5	23.5	25.0	24.5	25.0
10	25.0	24.0	24.5	24.0	23.0	24.0	24.5	23.5	24.0	25.0	24.5	24.5
11	24.0	23.0	23.5	24.0	23.5	23.5	25.5	24.0	24.5	25.0	24.5	25.0
12	---	---	---	24.0	23.5	23.5	25.0	24.0	24.5	24.5	24.0	24.5
13	---	---	---	23.5	23.0	23.5	25.5	23.5	24.5	24.5	23.5	24.0
14	---	---	---	---	---	---	25.5	23.5	24.5	24.5	23.0	23.5
15	---	---	---	---	---	---	24.5	23.5	24.0	24.0	23.0	23.5
16	---	---	---	---	---	---	24.0	23.5	23.5	24.0	23.0	23.5
17	---	---	---	---	---	---	23.5	23.5	23.5	24.0	23.0	23.5
18	---	---	---	---	---	---	23.5	23.0	23.0	24.0	23.0	23.5
19	---	---	---	---	---	---	24.0	23.0	23.0	23.5	23.0	23.5
20	---	---	---	---	---	---	24.5	23.5	24.0	24.5	23.0	23.5
21	---	---	---	---	---	---	25.0	24.0	24.5	25.0	24.0	24.5
22	---	---	---	---	---	---	25.5	24.5	24.5	24.5	22.5	23.5
23	---	---	---	---	---	---	25.5	25.0	25.0	23.0	22.0	22.5
24	---	---	---	24.5	24.0	24.0	26.0	25.0	25.5	23.5	21.5	22.5
25	---	---	---	24.0	24.0	24.0	25.5	25.0	25.0	22.5	21.5	22.0
26	---	---	---	---	---	---	25.5	24.5	25.0	22.0	21.0	21.5
27	---	---	---	---	---	---	25.5	24.5	25.0	23.0	21.5	22.0
28	---	---	---	---	---	---	25.0	24.0	24.5	23.0	21.0	22.0
29	---	---	---	---	---	---	24.5	23.5	24.0	23.5	21.0	22.5
30	---	---	---	25.5	25.0	25.5	25.0	23.5	24.0	24.0	21.5	22.5
31	---	---	---	25.5	24.5	25.0	25.0	24.0	24.5	---	---	---
MONTH	---	---	---	---	---	---	26.0	22.5	24.0	25.0	21.0	23.5

02167500 SALUDA RIVER NEAR SILVERSTREET, S.C.

LOCATION.--Lat 34°10'58", long 81°43'37", Newberry County, at bridge on State Highway 121, 200 ft downstream from discontinued gaging station, 0.8 mile (revised) downstream from Little River, 2.5 miles south of Silverstreet, and at mile 42.7.

DRAINAGE AREA.--1,620 sq mi (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOS-PHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLI-FORM (COL. PER 100 ML)
OCT.									
19...	0930	16.5	523	90	--	6.8	.050	.8	--
19...	0930	16.5	523	90	7.8	7.3	--	--	50
MAY									
10...	0830	19.0	370	--	--	--	.000	.0	--
10...	0830	19.0	370	65	8.0	6.8	--	--	50
JUNE									
14...	0825	24.5	325	--	--	--	.020	.7	--
14...	0825	24.5	325	71	6.3	6.6	--	--	46

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	TUR-BID-ITY (JTU)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)
OCT.												
19...	0930	16.5	523	0	5	90	--	1.3	6.8	30	37	0
19...	0930	16.5	523	--	--	90	7.8	--	7.3	--	--	--

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	TOTAL CHRO-MIUM (CR) (UG/L)	DIS-SOLVED COPPER (CU) (UG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED LEAD (PB) (UG/L)	DIS-SOLVED MAN-GANESE (MN) (UG/L)
OCT.												
19...	4	.050	16	0	7.6	4.9	.2	0	5	18	0	0

DATE	DIS-SOLVED NICKEL (NI) (UG/L)	DIS-SOLVED ALPHA (PC/L)	SUS-PENDED ALPHA (PC/L)	DIS-SOLVED BETA (PC/L)	SUS-PENDED BETA (PC/L)	FECAL COLI-FORM (COL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
19...	0	.2	.2	4.1	.6	--	.03	60	84.7	.08	.8
19...	--	--	--	--	--	50	--	--	--	--	--

02169000 SALUDA RIVER NEAR COLUMBIA, S.C.

LOCATION.--Lat 34°00'50", long 81°05'17", Richland County, at gaging station on left bank, 0.4 mile upstream from site of old Saluda Mill, 1.6 miles upstream from confluence with Broad River, and 3.3 miles west of State Capitol in Columbia.

DRAINAGE AREA.--2,510 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1960 to September 1962, July 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
26...	1315	17.4	8900	80	--	6.9	.010	1.2	0	--
26...	1315	17.4	8900	76	5.2	6.9	--	--	--	--
MAY										
07...	0935	12.5	678	--	--	--	.000	2.3	0	--
07...	0935	12.5	678	74	9.0	6.9	--	--	--	30
JUNE										
11...	1220	16.5	3610	--	--	--	.020	1.3	0	--
11...	1220	16.5	3610	--	9.6	7.0	--	--	--	110

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
26...	1315	17.4	8900	1	10	80	--	1.2	6.9	23	28	0
26...	1315	17.4	8900	--	--	76	5.2	--	6.9	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
26...	42	.010	17	0	5.6	4.6	.2	0	8	18	0	150

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
26...	0	.2	.6	4.4	2.7	--	.03	49	1180	.07	1.2

02169603 CONGAREE RIVER NEAR CAYCE, S.C.

LOCATION (REVISED).--Lat 33°52'45", long 81°00'48", Lexington County, at Carolina Eastman Company water intake, 0.5 mile downstream from Toms Branch, 7.2 miles south of Cayce, 9.8 miles downstream from gaging station, and at mile 165.0.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
21...	0935	17.0	6450	80	--	7.2	.060	1.0	--
21...	0935	17.0	6450	89	8.1	7.0	--	--	9270
NOV.									
23...	1105	13.0	7400	--	--	--	.030	.7	--
23...	1105	13.0	7400	81	10.2	7.2	--	--	2030
DEC.									
22...	1100	12.0	9960	--	--	--	.020	.0	--
22...	1100	12.0	9960	64	10.4	7.2	--	--	2130
JAN.									
15...	1100	11.0	10500	--	--	--	.010	.2	--
15...	1100	11.0	10500	72	11.0	7.4	--	--	2480
FEB.									
24...	1400	11.0	18000	--	--	--	.080	.8	--
24...	1400	11.0	18000	69	11.4	7.4	--	--	3480
MAR.									
25...	1010	9.0	8570	--	--	--	.000	.1	--
25...	1010	9.0	8570	74	11.5	7.4	--	--	2980
APR.									
22...	0915	18.5	--	--	--	--	.020	.4	--
22...	0915	18.5	--	84	9.0	7.3	--	--	--
MAY									
07...	1030	20.0	--	--	--	--	.030	1.5	--
07...	1030	20.0	--	85	8.8	7.2	--	--	4730
JUNE									
11...	0930	23.5	6140	--	--	--	.020	1.0	--
11...	0930	23.5	6140	84	8.1	7.1	--	--	10800
JULY									
19...	0915	27.5	5600	73	7.1	6.9	--	--	--
AUG.									
23...	1010	28.0	--	72	7.3	6.9	--	--	17000
SEP.									
08...	0930	20.5	6090	80	7.0	6.8	--	--	7530

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
21...	0935	17.0	6450	5	20	80	--	2.6	7.2	25	31	0
21...	0935	17.0	6450	--	--	89	8.1	--	7.0	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
21...	31	.060	16	0	7.7	4.2	.2	1	5	54	0	0

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
21...	0	.2	1.0	4.3	2.3	--	.03	58	1010	.08	1.0
21...	--	--	--	--	--	9270	--	--	--	--	--

02169750 CONGAREE RIVER NEAR FT. MOTTE, S.C.

LOCATION (REVISED).--Lat 33°45'10", long 80°38'43", Calhoun County, at bridge on U.S. Highway 601, 0.9 mile downstream from Buckhead Creek, 1.9 miles upstream from confluence with Wateree River, 2.6 miles downstream from Southern Railway bridge, 3.0 miles northeast of Ft. Motte, and at mile 126.2.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
21...	1030	18.0	4830	100	--	6.9	.030	.5	--
21...	1030	18.0	4830	100	8.3	7.2	--	--	8400
NOV.									
19...	1145	13.0	11800	--	--	--	.040	.7	--
19...	1145	13.0	11800	84	10.4	7.3	--	--	2380
DEC.									
17...	0935	11.0	9600	--	--	--	.000	1.0	--
17...	0935	11.0	9600	75	10.0	7.3	--	--	3420
JAN.									
13...	1245	9.5	14500	--	--	--	.80	.8	--
13...	1245	9.5	14500	69	10.9	7.2	--	--	4050
FEB.									
23...	1545	13.0	--	--	--	--	.020	.5	--
23...	1545	13.0	--	78	9.6	7.4	--	--	6870
MAR.									
24...	1545	13.5	11000	--	--	--	.010	.2	--
24...	1545	13.5	11000	72	9.6	7.1	--	--	755
APR.									
22...	1040	20.0	8500	--	--	--	.010	.4	--
22...	1040	20.0	8500	79	8.4	7.2	--	--	--
MAY									
06...	1225	20.0	4650	--	--	--	.000	.0	--
06...	1225	20.0	4650	80	9.6	7.2	--	--	5700
JUNE									
09...	0940	20.0	7800	--	--	--	.020	.9	--
09...	0940	20.0	7800	74	9.3	6.9	--	--	3800
JULY									
19...	1250	29.5	5800	65	7.6	7.0	--	--	--
AUG.									
23...	1115	24.0	15000	66	7.1	6.8	--	--	12200
SEP.									
09...	0930	22.0	8700	71	7.5	6.8	--	--	11000

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
21...	1030	18.0	4830	1	5	100	--	2.0	6.9	30	36	0
21...	1030	18.0	4830	--	--	100	8.3	--	7.2	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
21...	39	.030	17	0	9.8	5.2	.1	0	5	53	0	0

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
21...	0	.2	1.3	6.0	3.4	--	.04	67	874	.09	.5
21...	--	--	--	--	--	8400	--	--	--	--	--

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.
(International Hydrological Decade and radiochemical station)

LOCATION.--Lat 33°27'15", long 80°09'25", Berkeley County, at gaging station on right bank 2.4 miles downstream from Lake Marion Dam, 3.0 miles upstream from Dead River, 6.7 miles west of Pineville, and at mile 85.0.

DRAINAGE AREA.--14,700 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952, January 1966 to September 1971 (discontinued).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	COLOR (PLAT-INUM-COBALT UNITS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKA-LINITY AS CACO3 (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	TOTAL FILT-RABLE RESIDUE (MG/L)
NOV.												
24...	1240	--	--	--	--	--	--	--	--	--	--	59
DEC.												
14...	--	--	--	--	--	--	--	--	--	--	--	58
14...	1215	13.5	510	8	81	--	--	6.4	21	26	0	--
14...	1215	13.5	510	--	81	11.0	--	7.5	--	--	--	--
JAN.												
13...	1010	10.5	700	--	--	--	1.5	--	--	--	--	64
13...	1010	10.5	700	--	92	11.2	--	7.3	--	--	--	--
FEB.												
17...	1215	7.0	1030	15	95	--	2.4	6.5	21	26	0	66
17...	1215	7.0	1030	--	105	10.3	--	7.2	--	--	--	--
APR.												
05...	1200	12.0	595	--	--	--	--	--	--	--	--	58
05...	1200	12.0	595	--	75	9.8	--	7.1	--	--	--	--
22...	1200	20.5	569	--	--	--	--	--	--	--	--	52
22...	1200	20.5	569	--	86	8.3	--	7.0	--	--	--	--
MAY												
06...	1100	21.0	500	10	80	--	--	6.5	19	23	0	51
06...	1100	21.0	500	--	80	8.3	--	6.9	--	--	--	--
JUNE												
08...	1000	--	--	--	--	--	--	--	--	--	--	55
09...	1000	26.0	544	--	--	--	.5	--	--	--	--	--
09...	1000	26.0	544	--	80	7.4	--	7.0	--	--	--	--
JULY												
16...	1025	28.0	775	--	--	--	--	--	--	--	--	64
16...	1025	28.0	775	--	89	7.3	--	7.2	--	--	--	--
SEP.												
30...	1330	--	--	--	--	--	--	--	--	--	--	57

DATE	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED ORTHO PHOS-PHATE (PO4) (MG/L)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	SODIUM AD-SORP-TION RATIO	PERCENT SODIUM	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
NOV.											
24...	6	--	--	--	--	--	--	--	--	--	--
DEC.											
14...	8	--	--	--	--	--	--	--	--	--	--
14...	--	.00	16		4.3	1.5	10	1.1	52	2.4	8.6
14...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	8	--	--	--	--	--	--	--	--	--	--
13...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
17...	13	.00	20	0	5.1	1.6	12	1.2	54	2.1	9.4
17...	--	--	--	--	--	--	--	--	--	--	--
APR.											
05...	17	--	--	--	--	--	--	--	--	--	--
05...	--	--	--	--	--	--	--	--	--	--	--
22...	10	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
MAY											
06...	7	.00	17	0	5.3	1.0	7.3	.8	45	1.7	5.4
06...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	9	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JULY											
16...	7	--	--	--	--	--	--	--	--	--	--
16...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
30...	6	--	--	--	--	--	--	--	--	--	--

02171500 SANTEE RIVER NEAR PINEVILLE, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (PC/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)	IMME-CIATE COLI-FORM (CCL. PER 100 ML)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)
NOV.											
24...	--	--	--	--	.2	<.1	4.3	<.4	.04	--	--
DEC.											
14...	--	--	--	--	<.2	.2	4.1	.6	.02	--	--
14...	7.0	.1	9.1	1	--	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	--	--	--	--	<.2	.2	4.1	.7	.04	--	--
13...	--	--	--	--	--	--	--	--	--	200	--
FEB.											
17...	9.6	.2	8.2	0	.2	.3	5.0	1.2	.04	--	.06
17...	--	--	--	--	--	--	--	--	--	--	--
APR.											
05...	--	--	--	--	.4	.5	4.9	1.4	.05	--	--
05...	--	--	--	--	--	--	--	--	--	200	--
22...	--	--	--	--	<.1	.2	4.3	1.6	.04	--	--
22...	--	--	--	--	--	--	--	--	--	--	--
MAY											
06...	6.8	.2	6.6	0	<.1	.2	4.4	.9	.05	--	--
06...	--	--	--	--	--	--	--	--	--	201	--
JUNE											
08...	--	--	--	--	<.1	.1	4.5	.9	.06	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	133	--
JULY											
16...	--	--	--	--	.3	<.1	4.7	1.1	.05	--	--
16...	--	--	--	--	--	--	--	--	--	867	--
SEP.											
30...	--	--	--	--	<.2	.2	4.0	.5	.04	--	--

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)	MAN-GANESE (MN) (UG/L)	DIS-SOLVED NATURAL URANIUM (U) (UG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L)	SUS-PENDED GRCSS BETA AS SR90 /Y9C (PC/L)
NOV.											
24...	--	--	--	--	--	--	.02	.7	<.4	3.4	<.4
DEC.											
14...	--	--	--	--	--	--	.06	<.6	.6	3.2	.5
14...	58	57	79.9	.0	.9	--	--	--	--	--	--
14...	--	--	--	--	--	--	--	--	--	--	--
JAN.											
13...	--	--	--	--	--	--	.07	<.6	.5	3.2	.6
13...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
17...	62	62	172	.08	1.1	0	.02	.5	.8	4.0	1.1
17...	--	--	--	--	--	--	--	--	--	--	--
APR.											
05...	--	--	--	--	--	--	.07	1.3	1.5	3.9	1.3
05...	--	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	.07	<.4	.6	3.5	1.4
22...	--	--	--	--	--	--	--	--	--	--	--
MAY											
06...	48	46	64.8	.07	.7	--	.06	<.4	.5	3.5	.8
06...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
08...	--	--	--	--	--	--	.04	<.4	.4	3.6	.8
09...	--	--	--	--	--	--	--	--	--	--	--
09...	--	--	--	--	--	--	--	--	--	--	--
JULY											
16...	--	--	--	--	--	--	.02	.8	<.4	3.8	1.0
16...	--	--	--	--	--	--	--	--	--	--	--
SEP.											
30...	--	--	--	--	--	--	.01	<.6	.5	3.2	.5

02171600 SANTEE RIVER NEAR ST. STEPHENS, S.C.

LOCATION (REVISED).--Lat 33°29'40", long 79°57'40", Berkeley County, at bridge on U.S. Highway 52, 0.8 mile downstream from Campbells Branch, 4.8 miles upstream from Seaboard Coast Line Railroad bridge, 6.5 miles northwest of St. Stephens, 11.9 miles upstream from gaging station, and at mile 63.7.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.									
21...	1315	21.0	645	95	--	7.1	.010	.3	0
21...	1315	21.0	645	99	8.4	7.1	--	--	--
NOV.									
18...	1045	13.0	700	--	--	--	.000	.0	0
18...	1045	13.0	700	104	10.1	7.3	--	--	--
DEC.									
14...	1300	12.5	750	--	--	--	.020	.2	0
14...	1300	12.5	750	92	11.1	7.3	--	--	--
JAN.									
13...	1055	10.5	700	--	--	--	.000	.2	0
13...	1055	10.5	700	92	11.2	7.3	--	--	--
FEB.									
17...	1115	8.0	1100	--	--	--	.030	.6	0
17...	1115	8.0	1100	100	9.6	7.2	--	--	--
APR.									
05...	1245	14.0	750	--	--	--	.030	.3	0
05...	1245	14.0	750	84	9.3	6.8	--	--	--
22...	1245	21.0	800	--	--	--	.030	.1	0
22...	1245	21.0	800	89	7.7	6.7	--	--	--
MAY									
06...	1010	20.0	700	--	--	--	.020	.0	0
06...	1010	20.0	700	86	8.4	6.7	--	--	--
JUNE									
09...	1040	27.5	700	--	--	--	.020	.6	0
09...	1040	27.5	700	80	6.9	6.6	--	--	--
JULY									
14...	1045	27.5	811	--	--	--	--	--	--
14...	1045	27.5	811	86	6.5	6.5	--	--	--
AUG.									
26...	1200	25.5	--	--	--	--	--	--	--
26...	1200	25.5	--	67	6.8	6.5	--	--	--
SEP.									
09...	1100	26.0	--	83	6.8	6.6	--	--	--

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.												
21...	1315	21.0	645	1	10	95	--	1.6	7.1	25	30	0
21...	1315	21.0	645	--	--	99	8.4	--	7.1	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED MANGANESE (MN) (UG/L)
OCT.												
21...	2	.010	20	0	10	7.6	.2	0	5	29	0	50

DATE	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER DAY)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
21...	0	.2	.1	15	.5	--	.05	63	110	.09	.3

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.

LOCATION.--Lat 33°02'28", long 79°56'14", Berkeley County, on right bank 6.2 miles downstream from Seaboard Coast Line Railroad bridge, 7.4 miles upstream from Goose Creek, and at mile 28.5.

PERIOD OF RECORD.--Chemical analyses: October 1970 to September 1971.
Water temperatures: October 1970 to September 1971.

EXTREMES, 1970-71.--Specific conductance: Maximum, greater than 516 micromhos Oct. 9-19; minimum, 31 micromhos July 21.
Water temperatures: Maximum, 33.0°C July 18-19; minimum, 4.5°C Feb. 15.

REMARKS.--Record of hourly values available in district office, Columbia, S.C.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	139	102	105	125	104	111	138	107	117	---	---	---
2	109	103	106	125	104	113	131	106	111	---	---	---
3	111	104	108	108	101	105	109	104	106	---	---	---
4	115	107	109	109	101	106	110	106	107	---	---	---
5	120	109	113	112	106	109	109	106	108	---	---	---
6	120	107	112	109	101	106	110	106	108	97	93	96
7	135	107	114	108	102	105	114	106	109	---	---	---
8	301	111	163	109	103	106	111	106	108	---	---	---
9	516	147	---	108	102	105	109	106	107	---	---	---
10	516	155	---	106	100	104	110	106	107	---	---	---
11	516	206	---	105	99	102	121	107	111	---	---	---
12	516	412	---	107	100	103	141	107	117	---	---	---
13	516	444	---	109	99	103	173	107	127	---	---	---
14	516	516	---	106	100	103	352	111	172	---	---	---
15	516	439	---	108	99	103	197	106	121	---	---	---
16	516	283	---	111	104	108	109	79	94	---	---	---
17	516	434	---	108	102	105	99	82	91	---	---	---
18	516	445	---	106	101	105	99	82	92	---	---	---
19	516	153	---	106	100	103	103	86	95	---	---	---
20	326	144	203	107	99	104	103	87	97	---	---	---
21	227	133	170	109	106	107	122	89	96	---	---	---
22	149	112	127	108	105	106	109	96	101	---	---	---
23	121	111	115	112	103	106	172	97	116	---	---	---
24	122	109	115	109	105	107	210	102	145	---	---	---
25	139	111	123	109	106	107	178	109	122	---	---	---
26	162	115	134	108	105	107	---	---	---	---	---	---
27	160	109	132	112	105	108	---	---	---	103	99	99
28	197	109	136	112	107	109	---	---	---	104	98	99
29	188	107	135	120	106	110	---	---	---	104	98	99
30	159	105	123	133	108	116	---	---	---	100	98	99
31	167	104	118	---	---	---	---	---	---	102	98	99
MONTH	516	102	---	133	99	106	352	79	111	---	---	---

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DAY	FEBRUARY			MARCH			APRIL			MAY		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	101	98	99	99	97	98	83	80	81	84	81	82
2	101	98	99	99	95	97	83	81	82	84	81	82
3	102	99	99	96	90	93	83	80	82	86	82	84
4	102	98	99	97	91	93	85	80	81	84	82	83
5	100	97	98	97	91	93	84	80	81	87	82	84
6	101	98	99	94	91	92	82	80	81	86	83	85
7	100	97	99	95	92	93	82	79	80	86	83	85
8	100	97	99	96	92	93	82	80	81	86	81	83
9	102	98	100	97	92	93	81	79	80	84	82	83
10	103	99	100	94	91	92	81	80	81	84	82	83
11	104	99	100	92	90	91	83	80	81	86	82	84
12	102	99	100	92	90	91	82	79	81	107	84	104
13	102	98	100	93	89	91	84	80	81	105	101	102
14	114	101	102	92	90	90	83	81	81	103	101	102
15	104	100	101	92	88	90	82	80	81	104	99	102
16	109	100	101	89	87	88	83	80	81	103	100	101
17	107	101	102	91	85	87	82	80	81	102	101	102
18	105	101	102	87	83	85	84	81	82	102	101	101
19	104	101	102	86	84	85	84	81	82	102	101	101
20	103	101	101	89	84	86	83	81	82	103	101	102
21	104	100	101	87	83	85	85	82	84	103	101	102
22	103	99	101	87	83	84	86	84	85	103	101	102
23	101	98	100	85	82	83	88	82	84	103	101	102
24	102	100	101	85	82	83	86	81	83	103	102	102
25	101	100	100	85	82	83	85	82	83	104	103	103
26	102	99	100	84	82	83	87	84	85	105	103	104
27	99	96	98	84	82	83	86	82	84	105	103	104
28	99	97	98	83	82	82	87	82	84	105	104	104
29	---	---	---	83	81	82	85	82	83	106	105	105
30	---	---	---	84	81	82	84	81	82	107	105	106
31	---	---	---	82	80	81	---	---	---	106	106	106
MONTH	114	96	100	99	80	88	88	79	82	107	81	96

DAY	JUNE			JULY			AUGUST			SEPTEMBER		
	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	107	105	106	104	95	100	118	96	105	177	163	169
2	109	106	107	109	96	104	116	96	108	179	167	172
3	111	108	109	119	95	106	116	98	105	168	90	102
4	111	108	109	103	92	96	106	92	99	96	89	92
5	110	108	109	105	94	99	105	97	101	97	90	94
6	110	107	109	108	92	100	109	99	104	100	93	96
7	110	108	109	112	98	103	108	96	102	103	92	96
8	111	108	109	111	96	104	111	99	105	100	91	95
9	98	91	93	104	95	99	110	98	105	---	---	---
10	100	93	97	102	94	97	---	---	---	99	94	96
11	104	92	97	107	94	99	105	97	101	111	90	98
12	102	89	94	104	94	100	112	102	107	108	91	98
13	95	90	92	108	97	101	115	99	106	111	92	101
14	95	90	93	104	93	98	109	98	103	113	95	103
15	96	91	94	103	92	97	119	104	110	109	94	101
16	96	91	93	99	32	95	114	98	109	106	95	100
17	99	92	95	100	32	91	115	93	104	108	93	98
18	103	91	97	99	32	91	111	100	104	111	92	102
19	106	92	99	102	32	95	107	92	99	107	92	98
20	105	93	99	104	32	92	101	91	97	113	95	103
21	106	94	101	108	31	90	101	93	98	111	96	103
22	105	94	99	114	101	107	109	97	104	110	94	100
23	100	93	96	113	99	105	124	109	114	108	94	100
24	99	92	95	110	97	102	135	124	129	110	92	101
25	101	93	96	108	96	99	145	136	140	106	92	97
26	101	93	96	106	98	102	155	145	148	102	92	96
27	104	94	99	105	88	100	157	152	155	100	93	96
28	107	32	98	109	96	101	163	153	158	100	92	96
29	108	96	101	112	96	102	171	163	167	101	93	97
30	105	95	100	107	94	99	172	163	168	107	101	103
31	---	---	---	111	95	102	174	161	170	---	---	---
MONTH	111	32	100	119	31	99	174	91	118	179	89	104
YEAR	516	31	102									

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

	OCTOBER			NOVEMBER			DECEMBER			JANUARY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	25.5	24.5	25.0	19.0	19.0	19.0	14.0	13.0	13.5	---	---	---
2	25.0	24.5	25.0	19.0	18.5	19.0	14.0	13.0	13.5	---	---	---
3	25.5	24.5	25.0	19.0	18.5	19.0	13.5	12.5	13.0	---	---	---
4	25.0	24.5	25.0	19.0	17.5	18.0	14.0	12.5	13.0	---	---	---
5	24.5	21.5	23.5	17.5	16.0	16.5	13.5	12.5	13.0	---	---	---
6	23.5	20.5	22.5	16.5	16.0	16.0	13.0	12.5	12.5	11.0	10.5	10.5
7	22.5	20.0	21.5	16.5	16.0	16.0	12.5	11.5	12.0	---	---	---
8	22.0	20.0	21.0	16.5	15.5	16.0	12.0	11.0	11.5	---	---	---
9	23.0	20.5	21.5	16.5	16.0	16.5	12.0	11.0	11.5	---	---	---
10	23.5	21.0	22.5	16.5	16.0	16.5	12.5	11.5	12.0	---	---	---
11	24.5	22.0	23.5	16.0	16.0	16.0	13.0	12.0	12.5	---	---	---
12	25.0	23.5	24.0	16.5	15.5	16.0	14.0	12.5	13.0	---	---	---
13	25.0	24.0	24.5	16.5	15.5	16.0	14.0	13.0	13.5	---	---	---
14	25.5	24.5	25.0	16.5	15.5	16.0	13.5	13.0	13.5	--	---	---
15	26.0	24.5	25.5	16.5	16.0	16.0	13.5	12.5	13.0	---	---	---
16	25.5	24.0	25.0	16.0	15.0	15.5	13.0	12.0	12.5	---	---	---
17	24.5	20.0	21.0	15.0	14.5	15.0	13.0	12.0	12.5	---	---	---
18	21.0	19.5	20.0	15.0	14.5	15.0	12.5	12.0	12.5	---	---	---
19	20.0	19.0	19.5	15.5	14.5	15.0	12.5	12.0	12.5	---	---	---
20	19.5	19.0	19.5	15.5	15.0	15.0	12.5	12.5	12.5	---	---	---
21	19.5	19.0	19.5	15.5	14.5	15.0	13.5	12.5	12.5	---	---	---
22	19.5	19.5	19.5	15.0	14.5	14.5	14.0	13.0	13.5	---	---	---
23	19.5	19.5	19.5	15.0	14.0	14.5	14.5	13.0	13.5	---	---	---
24	19.5	19.5	19.5	14.0	12.0	13.0	15.0	14.0	14.5	---	---	---
25	19.5	19.5	19.5	12.0	11.5	12.0	14.5	14.0	14.5	---	---	---
26	19.5	19.0	19.5	12.0	11.5	12.0	---	---	---	---	---	---
27	19.0	19.0	19.0	12.5	11.5	12.0	---	---	---	8.5	7.5	8.0
28	19.0	19.0	19.0	13.0	12.0	12.5	---	---	---	8.0	5.5	7.5
29	19.0	19.0	19.0	13.5	12.5	13.0	---	---	---	8.0	6.5	8.0
30	19.0	19.0	19.0	13.5	13.0	13.0	---	---	---	9.0	8.0	8.5
31	19.0	19.0	19.0	---	---	---	---	---	---	10.0	9.0	9.0
MONTH	26.0	19.0	21.5	19.0	11.5	15.5	15.0	11.0	13.0	---	---	---

	FEBRUARY			MARCH			APRIL			MAY		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	9.0	7.5	8.0	11.0	10.5	10.5	12.5	11.0	12.0	19.0	18.0	18.5
2	8.0	6.5	7.5	12.0	11.0	11.0	12.5	12.0	12.5	19.0	18.5	19.0
3	8.0	7.0	7.5	12.5	11.0	11.5	13.5	11.5	12.5	19.0	18.5	18.5
4	7.5	6.5	7.5	11.5	10.5	11.0	13.5	12.0	12.5	18.5	18.0	18.5
5	9.0	7.5	8.0	11.5	9.5	10.5	13.0	12.0	12.5	19.0	18.5	18.5
6	9.5	7.5	8.0	11.5	10.5	11.0	13.0	12.0	12.5	19.0	18.5	19.0
7	8.5	7.5	8.0	12.0	11.0	11.5	13.0	12.0	12.0	19.5	19.0	19.0
8	9.5	7.5	8.5	11.0	10.0	10.5	13.5	11.5	12.5	19.5	19.0	19.0
9	9.5	7.5	8.0	11.0	10.0	10.5	14.0	12.5	13.0	19.5	19.0	19.0
10	8.0	7.0	7.5	10.5	10.0	10.5	14.5	13.0	13.5	19.5	19.0	19.0
11	8.0	5.5	7.5	11.5	10.0	10.5	14.5	13.0	13.5	19.5	19.0	19.5
12	9.0	7.0	7.5	11.5	10.5	11.0	15.0	13.5	14.0	21.5	19.5	21.0
13	8.0	6.5	7.5	12.5	10.5	11.5	15.0	13.5	14.5	21.5	19.5	20.5
14	7.5	5.0	6.0	13.5	11.0	12.0	15.5	14.5	15.0	21.5	18.0	20.0
15	7.5	4.5	7.0	12.5	11.5	12.0	16.0	14.5	15.0	21.0	19.0	20.0
16	9.0	7.0	7.5	13.0	11.5	12.0	17.0	14.5	15.0	21.5	18.5	19.5
17	8.5	6.5	7.5	13.0	12.0	12.5	16.5	15.0	15.5	22.5	20.0	21.0
18	9.0	7.0	7.5	13.0	12.0	12.5	17.0	15.5	16.0	23.0	21.0	22.0
19	9.0	7.5	8.0	13.5	12.0	12.5	17.0	16.0	16.0	22.5	21.5	22.5
20	10.0	7.5	8.0	12.5	10.5	12.0	17.0	15.5	16.0	22.5	22.0	22.5
21	9.5	7.5	8.5	12.0	11.0	11.5	18.0	16.5	17.0	22.5	22.0	22.5
22	10.0	8.5	9.0	12.5	11.5	12.0	18.5	17.5	18.0	23.0	21.5	22.0
23	11.0	9.0	9.5	13.0	12.5	12.5	18.5	18.0	18.0	24.0	22.0	23.0
24	10.5	9.5	10.0	13.0	12.0	12.5	18.0	17.0	17.5	24.0	22.0	23.0
25	10.5	9.5	10.0	12.5	11.5	12.0	19.0	17.0	18.0	24.0	22.0	22.5
26	10.5	9.5	10.0	11.5	10.5	11.0	19.0	18.0	18.5	25.0	22.5	23.5
27	12.0	10.5	11.0	11.5	9.5	10.5	19.0	18.5	19.0	26.0	23.5	24.5
28	11.5	10.5	11.0	12.0	10.5	11.0	19.0	18.0	18.5	25.5	24.0	24.5
29	---	---	---	11.5	11.0	11.5	19.5	18.0	18.5	24.5	22.0	23.0
30	---	---	---	12.5	11.0	11.5	19.0	18.5	19.0	22.0	21.5	22.0
31	---	---	---	12.5	11.0	11.5	---	---	---	23.0	21.5	22.0
MONTH	12.0	4.5	8.5	13.5	9.5	11.5	19.5	11.0	15.5	26.0	18.0	21.0

COOPER RIVER BASIN

02172050 COOPER RIVER NEAR GOOSE CREEK, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

	JUNE			JULY			AUGUST			SEPTEMBER		
DAY	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN	MAX	MIN	MEAN
1	24.0	22.5	23.0	30.0	29.0	29.5	30.0	29.0	29.0	28.5	27.5	27.5
2	24.5	23.5	24.0	30.0	29.0	29.5	29.5	28.5	29.0	28.0	27.0	27.5
3	25.0	24.0	24.0	29.5	28.5	29.0	29.5	28.5	29.0	28.0	27.0	27.5
4	25.5	24.0	24.5	29.0	28.5	28.5	29.5	28.5	29.0	28.0	27.5	28.0
5	25.5	24.5	25.0	29.0	28.5	29.0	29.5	28.5	29.0	28.5	27.5	28.0
6	26.0	24.5	25.0	29.5	28.5	29.0	29.5	28.5	29.0	28.5	27.0	28.0
7	26.0	25.0	25.5	29.0	28.0	28.5	30.5	29.5	30.0	28.0	26.5	27.5
8	26.5	25.0	25.5	29.0	28.0	29.0	31.0	29.0	30.0	27.5	26.5	27.0
9	27.0	25.5	26.0	30.0	28.5	29.5	30.0	29.0	29.5	---	---	---
10	26.5	25.5	26.0	30.0	28.5	29.5	---	---	---	27.5	26.5	27.0
11	27.0	25.5	26.0	30.5	29.5	30.0	30.0	29.0	29.5	27.5	26.5	27.0
12	28.0	25.5	26.5	30.5	29.5	30.0	30.0	29.0	29.5	27.5	26.5	27.0
13	28.5	26.0	27.0	30.0	29.0	29.5	29.5	29.0	29.5	27.5	26.0	26.5
14	28.5	26.5	27.5	31.0	29.0	30.0	29.5	29.0	29.5	26.5	26.0	26.5
15	29.0	27.5	28.0	31.5	30.0	30.5	29.5	28.5	29.0	27.5	26.0	26.5
16	29.0	28.0	28.5	31.0	26.5	30.5	28.5	28.0	28.5	27.5	27.0	27.5
17	28.5	27.0	28.0	31.5	26.0	30.0	28.5	28.0	28.0	28.0	27.0	27.5
18	28.5	27.0	28.0	33.0	24.5	30.5	29.0	28.0	28.5	27.5	26.5	27.0
19	30.0	27.5	28.5	33.0	26.0	31.0	29.0	28.5	29.0	27.5	26.0	27.0
20	29.5	28.0	28.5	32.0	26.5	30.0	29.5	28.5	29.0	28.0	26.5	27.0
21	30.0	28.0	28.5	32.0	23.5	29.0	30.0	29.0	29.5	28.0	26.0	27.0
22	29.0	28.0	28.5	30.0	27.5	29.5	29.5	29.0	29.0	28.0	26.5	27.0
23	29.0	28.0	28.5	29.5	29.0	29.5	29.0	28.0	28.5	27.0	26.0	26.5
24	30.0	28.0	29.0	29.5	29.0	29.5	29.0	28.0	28.5	27.0	25.5	26.5
25	29.5	28.5	29.5	30.0	28.5	29.5	28.5	27.5	28.0	27.0	25.5	26.0
26	30.0	28.5	29.0	30.0	29.0	29.5	28.0	25.5	27.0	26.0	25.0	25.5
27	30.5	28.5	29.5	30.0	24.0	29.5	28.0	25.5	27.0	26.0	25.5	25.5
28	30.5	25.5	29.5	30.5	29.0	30.0	28.5	26.5	27.5	25.5	24.5	25.0
29	30.0	29.0	29.5	30.0	28.5	29.5	28.0	26.5	27.5	25.0	24.0	24.5
30	30.0	29.0	29.5	29.5	28.5	29.0	28.0	26.5	27.5	24.5	24.0	24.5
31	---	---	---	29.5	29.0	29.0	28.0	27.0	27.5	---	---	---
MONTH	30.5	22.5	27.0	33.0	23.5	29.5	31.0	25.5	28.5	28.5	24.0	26.5
YEAR	33.0	4.5	20.0									

02172090 ASHLEY RIVER AT CHARLESTON, S.C.

LOCATION.--Lat 32°47'00", long 79°57'39", Charleston County, at bridge on U.S. Highway 17, at Charleston, 0.9 mile upstream from Wappoo Creek, and at mile 2.2.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED COPPER (CU) (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
22...	1630	21.8	33000	--	7.5	.12	2.5	0	.12	--
22...	1630	21.8	40000	7.7	7.3	--	--	--	--	6000
NOV.										
18...	1200	16.0	--	--	--	.010	.0	0	.21	--
18...	1200	16.0	36000	9.2	8.0	--	--	--	--	230
DEC.										
17...	1445	14.0	--	--	--	.16	.0	30	.98	--
17...	1445	14.0	34000	9.8	7.8	--	--	--	--	860
JAN.										
12...	1050	10.5	--	--	--	.050	.1	126	.93	--
12...	1050	10.5	28000	10.1	7.9	--	--	--	--	415
FEB.										
23...	1000	11.5	--	--	--	.040	1.0	4	.67	--
23...	1000	11.5	26000	10.8	7.6	--	--	--	--	986
MAR.										
24...	1000	12.0	--	--	--	.060	.1	368	.06	--
24...	1000	12.0	26000	10.1	7.7	--	--	--	--	820
APR.										
20...	0955	18.0	--	--	--	.19	.7	140	.42	--
20...	0955	18.0	23000	9.2	7.5	--	--	--	--	1870
MAY										
12...	0715	21.0	--	--	--	.070	.3	30	.72	--
12...	0715	21.0	29500	7.7	7.7	--	--	--	--	1470
JUNE										
15...	1435	29.0	--	--	--	.040	.7	212	.00	--
15...	1435	29.0	22000	7.6	8.0	--	--	--	--	2930
JULY										
14...	1530	30.0	23000	6.5	7.8	--	--	--	--	2950
AUG.										
27...	0915	27.0	25000	6.7	7.9	--	--	--	--	2720
SEP.										
15...	1320	28.5	25000	6.7	8.1	--	--	--	--	1787

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
22...	1630	21.8	0	10	33000	--	2.1	7.5	93	114	0
22...	1630	21.8	--	--	40000	7.7	--	7.3	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.											
22...	5	.120	2880	2890	12900	1730	1.0	0	0	18	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
22...	20	0	590	.1	460	.6	--	.12	24100	32.8	2.5
22...	--	--	--	--	--	--	6000	--	--	--	--

02175000 EDISTO RIVER NEAR GIVHANS, S.C.
(International Hydrological Decade Station)

LOCATION.--Lat 33°01'40", long 80°23'30", Dorchester County, at gaging station on left bank at downstream side of bridge on State Highway 61, 2.3 miles downstream from Four Hole Swamp, 2.8 miles west of Givhans, and at mile 59.9.

DRAINAGE AREA.--2,730 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: March 1967 to September 1971.
Water temperatures: March 1967 to September 1971.
Sediment records: March 1967 to September 1971.

EXTREMES, 1970-71.--Specific conductance: Maximum daily, 77 micromhos Oct. 26; minimum daily, 42 micromhos Dec. 9.
Water temperatures: Maximum daily, 30.0°C Sept. 19; minimum daily, 8.0°C Dec. 29, 30, Jan. 9, 19, 20, 29.
Sediment concentrations: Maximum daily, 58 mg/l Jan. 14; minimum daily, 2 mg/l Oct. 7, 16.
Sediment loads: Maximum daily, 578 tons Mar. 13; minimum daily, 3.8 tons Oct. 7.

EXTREMES, 1967-71.--Specific conductance: Maximum daily, 92 micromhos Oct. 25-27, 1968; minimum daily, 37 micromhos Nov. 10, 17, 1967.
Water temperatures: Maximum daily, 32.0°C Aug. 1, 1968, July 23, 26, 1969; minimum daily, 3.0°C Jan. 13-19, 1968.
Sediment concentrations: Maximum daily, 85 mg/l June 10, 1969; minimum daily, 1 mg/l Nov. 25, 1969.
Sediment loads: Maximum daily, 2,369 tons May 26, 1969; minimum daily, 3.5 tons Nov. 25, 1969.

SPECIFIC CONDUCTANCE (MICROMHOS AT 25°C), WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	62	61	48	61	62	69	58	60	55	50	51	54
2	60	60	48	65	61	69	60	60	50	50	52	52
3	60	60	46	65	62	65	55	61	51	50	52	58
4	60	62	46	60	62	68	53	60	50	50	53	60
5	60	63	46	67	63	68	54	60	50	55	55	61
6	59	61	46	65	64	70	55	61	50	58	56	60
7	68	61	52	69	63	68	53	56	50	59	52	61
8	60	52	49	67	64	70	59	58	51	59	53	61
9	60	51	42	61	65	71	58	59	49	56	52	61
10	58	55	50	60	63	69	60	58	51	58	55	61
11	58	51	50	61	63	57	59	57	50	58	52	58
12	62	52	52	60	63	64	58	59	57	---	54	58
13	60	52	50	52	64	69	---	59	55	---	58	68
14	57	53	52	61	62	51	---	59	57	---	52	58
15	58	55	50	61	62	50	---	60	57	---	53	58
16	70	55	60	62	63	50	---	57	59	68	53	59
17	62	56	59	65	63	62	62	59	58	65	51	58
18	56	58	61	69	62	51	62	59	50	---	51	57
19	60	55	60	65	---	58	63	60	56	65	50	51
20	60	52	60	65	65	62	61	60	60	70	53	---
21	68	52	68	65	66	64	61	55	61	70	56	---
22	71	52	61	61	65	59	61	---	62	60	55	52
23	68	52	60	52	71	61	60	---	63	60	59	55
24	68	52	59	61	69	59	60	50	62	60	57	55
25	72	53	60	60	61	59	61	49	63	60	58	58
26	77	---	60	63	65	61	60	50	61	60	59	52
27	59	53	59	60	64	63	62	50	62	60	59	55
28	58	55	60	61	68	65	62	50	50	60	---	52
29	57	51	60	61	---	59	60	50	50	55	59	52
30	58	51	60	61	---	61	60	50	49	51	59	48
31	59	---	61	62	---	60	---	50	---	51	53	---
MONTH	62	55	55	62	64	62	59	56	55	58	54	57
YEAR	58											

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	29.0	23.0	19.0	10.0	10.0	15.0	14.0	21.0	25.0	27.0	25.0	27.0
2	26.0	22.0	18.0	10.0	10.0	15.0	14.0	21.0	23.0	24.0	27.0	28.0
3	27.0	19.0	19.0	11.0	10.0	12.0	16.0	21.0	23.0	29.0	28.0	27.0
4	25.0	19.0	19.0	12.0	13.0	11.0	16.0	19.0	23.0	25.0	28.0	28.0
5	27.0	18.0	18.0	12.0	16.0	11.0	14.0	18.0	29.0	25.0	26.0	28.0
6	26.0	19.0	17.0	9.0	18.0	12.0	16.0	20.0	29.0	25.0	27.0	29.0
7	21.0	19.0	15.0	11.0	18.0	12.0	14.0	22.0	28.0	27.0	28.0	28.0
8	28.0	20.0	15.0	10.0	10.0	11.0	16.0	22.0	24.0	27.0	25.0	28.0
9	28.0	21.0	19.0	8.0	10.0	11.0	16.0	22.0	28.0	28.0	25.0	29.0
10	27.0	19.0	18.0	10.0	10.0	12.0	17.0	22.0	23.0	28.0	27.0	27.0
11	28.0	21.0	19.0	10.0	10.0	14.0	17.0	22.0	26.0	---	27.0	28.0
12	28.0	21.0	19.0	10.0	10.0	14.0	17.0	23.0	29.0	---	27.0	28.0
13	27.0	21.0	19.0	12.0	10.0	14.0	---	24.0	29.0	---	28.0	28.0
14	28.0	20.0	17.0	12.0	10.0	14.0	---	22.0	24.0	---	27.0	29.0
15	25.0	18.0	19.0	10.0	10.0	14.0	---	24.0	23.0	---	25.0	29.0
16	26.0	19.0	16.0	10.0	10.0	14.0	---	24.0	23.0	28.0	26.0	29.0
17	25.0	19.0	14.0	12.0	11.0	14.0	24.0	25.0	24.0	27.0	28.0	29.0
18	27.0	20.0	17.0	10.0	12.0	14.0	24.0	23.0	24.0	---	28.0	29.0
19	25.0	19.0	17.0	8.0	---	15.0	27.0	25.0	25.0	28.0	28.0	30.0
20	26.0	20.0	17.0	8.0	12.0	14.0	20.0	25.0	27.0	26.0	28.0	---
21	24.0	17.0	15.0	10.0	12.0	14.0	20.0	25.0	29.0	26.0	28.0	---
22	22.0	15.0	16.0	10.0	12.0	14.0	24.0	---	25.0	28.0	29.0	29.0
23	24.0	12.0	14.0	10.0	15.0	14.0	20.0	---	27.0	27.0	28.0	29.0
24	25.0	12.0	12.0	12.0	15.0	14.0	20.0	23.0	26.0	28.0	27.0	28.0
25	22.0	13.0	10.0	12.0	15.0	14.0	21.0	23.0	28.0	26.0	26.0	27.0
26	21.0	---	10.0	10.0	15.0	10.0	22.0	23.0	27.0	29.0	28.0	28.0
27	20.0	14.0	10.0	10.0	15.0	12.0	21.0	26.0	27.0	28.0	28.0	29.0
28	23.0	15.0	9.0	10.0	14.0	11.0	22.0	25.0	28.0	28.0	---	24.0
29	23.0	19.0	8.0	8.0	---	14.0	22.0	21.0	26.0	24.0	26.0	24.0
30	23.0	19.0	8.0	9.0	---	14.0	22.0	22.0	25.0	26.0	28.0	25.0
31	23.0	---	10.0	10.0	---	14.0	---	24.0	---	26.0	27.0	---
MONTH	25.0	18.5	15.5	10.0	12.5	13.0	19.0	22.5	26.0	27.0	27.0	28.0
YEAR	20.0											

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970

(Where no daily concentrations are reported loads are estimated)

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2400	36	233	1100	6	18	1260	7	24
2	2360	21	134	1810	12	59	1240	9	30
3	2400	18	117	2400	12	78	1240	6	20
4	2460	18	120	2520	6	41	1230	5	17
5	2400	24	156	2540	7	48	1220	4	13
6	2400	14	91	2490	9	61	1210	6	20
7	2340	19	120	2400	9	58	1220	3	9.9
8	2260	19	116	2300	10	62	1280	3	10
9	2300	18	112	2210	10	60	1330	8	29
10	2280	23	142	2100	8	45	1410	14	53
11	2500	23	155	1970	8	43	1720	8	37
12	2700	18	131	1870	6	30	2000	9	49
13	2270	11	67	1780	4	19	2160	9	52
14	1790	16	77	1700	7	32	2260	8	49
15	1620	--	44	1600	3	13	2340	9	57
16	1500	7	28	1560	5	21	2400	9	58
17	1350	9	33	1490	6	24	2460	6	40
18	1200	10	32	1440	3	12	2500	8	54
19	1190	13	42	1380	5	19	2560	7	48
20	1180	12	38	1350	3	11	2620	6	42
21	1250	9	30	1300	6	21	2670	6	43
22	1260	10	34	1300	7	25	2720	6	44
23	1200	16	52	1300	7	25	2760	5	37
24	1160	6	19	1310	7	25	2770	4	30
25	1100	12	36	1290	1	3.5	2740	5	37
26	1070	14	40	1290	8	28	2720	9	66
27	1050	5	14	1270	6	21	2730	6	44
28	1040	11	31	1260	7	24	2730	4	29
29	1070	10	29	1260	4	14	2710	8	59
30	988	5	13	1250	4	14	2700	7	51
31	964	7	19	--	--	--	2680	6	43
TOTAL	53902	--	2303	50830	--	954.5	65590	--	1194.9

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970--Continued

(Where no daily concentrations are reported loads are estimated)

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2680	7	51	2520	7	48	3360	3	27
2	2690	4	29	2520	8	54	3230	5	44
3	2720	4	29	2860	10	77	3140	4	34
4	2750	5	37	3570	10	96	3040	--	41
5	2760	4	30	4400	15	178	2970	5	40
6	2800	8	60	4710	17	216	2950	4	32
7	2970	6	48	4720	10	127	2970	8	64
8	3220	6	52	4720	9	115	3040	9	74
9	3410	6	55	4690	6	76	3240	12	105
10	3460	6	56	4580	5	62	3500	9	85
11	3420	7	65	4370	7	83	3770	10	102
12	3430	4	37	4120	5	56	3940	6	64
13	3460	5	47	3840	6	62	4010	6	65
14	3520	4	38	3570	4	39	4030	7	76
15	3610	6	58	3340	4	36	3920	5	53
16	3650	7	69	3140	7	59	3700	5	50
17	3650	5	49	3060	9	74	3420	7	65
18	3620	5	49	3070	6	50	3150	7	60
19	3590	7	68	3160	9	77	2910	6	47
20	3530	7	67	3280	7	62	2800	6	45
21	3450	7	65	3390	--	73	2870	6	46
22	3320	3	27	3470	--	75	3320	13	117
23	3180	5	43	3530	9	86	4190	--	113
24	3040	5	41	3550	5	48	5180	--	140
25	2920	6	47	3550	6	58	5680	7	107
26	2840	4	31	3590	5	48	6080	4	66
27	2760	5	37	3570	4	39	6610	54	964
28	2690	4	29	3490	4	38	7250	44	861
29	2680	5	36	--	--	--	7640	24	495
30	2590	14	98	--	--	--	7240	28	547
31	2560	6	41	--	--	--	8060	46	1000
TOTAL	96970	--	1489	102370	--	2112	131210	--	5629

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	8940	19	459	2120	6	34	1500	13	53
2	9950	8	215	2070	15	84	1550	--	63
3	10300	--	417	1960	14	74	1580	21	90
4	10400	--	421	1850	16	80	1600	10	43
5	10800	12	350	1760	12	57	1500	12	49
6	11200	--	454	1670	8	36	1400	10	38
7	10900	54	1590	1580	15	64	1300	9	32
8	10100	4	109	1520	26	107	1190	11	35
9	8970	24	581	1480	14	56	1100	10	30
10	8060	6	131	1400	16	60	1040	7	20
11	7300	4	79	1400	19	72	1000	10	27
12	6600	5	89	1300	15	53	942	7	18
13	5910	9	144	1300	8	28	900	12	29
14	5240	3	42	1250	8	27	813	6	13
15	4680	--	63	1200	19	62	780	4	8.4
16	4210	5	57	1150	20	62	750	7	14
17	3820	7	72	1090	13	38	744	6	12
18	3520	5	48	1070	30	87	720	4	7.8
19	3290	6	53	1070	25	72	684	10	18
20	3110	12	101	1090	14	41	670	3	5.4
21	2970	14	112	1160	34	106	650	3	5.3
22	2840	27	207	1240	--	84	640	4	6.9
23	2720	16	118	1320	21	75	636	7	12
24	2610	14	99	1400	25	95	675	8	15
25	2500	8	54	1420	20	77	800	10	22
26	2400	13	84	1320	22	78	908	8	20
27	2310	12	75	1200	22	71	980	12	32
28	2260	--	61	1300	16	56	1060	11	31
29	2210	9	54	1400	12	45	1140	11	34
30	2150	15	87	1500	11	45	1150	11	34
31	--	--	--	1520	6	25	--	--	--
TOTAL	172270	--	6426	44110	--	1951	30402	--	817.8

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1969 TO SEPTEMBER 1970--Continued
(Where no daily concentrations are reported loads are estimated)

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1120	6	18	910	--	25	1500	13	53
2	1050	13	37	900	18	44	1310	11	39
3	950	6	15	900	3	7.3	1200	9	29
4	860	9	21	890	9	22	1120	7	21
5	800	10	22	855	9	21	1050	10	28
6	720	11	21	820	3	6.6	1000	11	30
7	672	9	16	820	9	20	960	6	16
8	630	5	8.5	800	9	19	932	8	20
9	630	20	34	800	8	17	922	8	20
10	627	19	32	796	12	26	890	8	19
11	600	5	8.1	827	6	13	880	7	17
12	600	12	19	956	13	34	880	11	26
13	597	8	13	1320	6	21	894	8	19
14	620	14	23	1640	13	58	886	9	22
15	640	5	8.6	1800	13	63	855	7	16
16	660	11	20	2060	6	33	848	9	21
17	690	8	15	2130	20	115	866	9	21
18	670	7	13	2200	13	77	908	5	12
19	660	10	18	2200	16	95	911	4	9.8
20	640	6	10	2200	14	83	880	14	33
21	633	6	10	2200	11	65	834	9	20
22	672	4	7.3	2200	10	59	816	20	44
23	720	9	17	2260	13	79	785	20	42
24	760	10	21	2160	16	93	747	8	16
25	800	5	11	2130	14	81	741	4	8.0
26	862	12	28	2200	11	65	711	7	13
27	897	10	24	2200	10	59	690	4	7.5
28	900	10	24	2240	15	91	684	5	9.2
29	925	4	10	2100	12	68	687	8	15
30	925	5	12	1930	6	31	639	6	10
31	925	9	22	1800	12	58	--	--	--
TOTAL	23455	--	553.5	49244	--	1548.9	27026	--	656.5

TOTAL DISCHARGE FOR YEAR (CFS-DAYS) 846479
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS) 25636.1

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971
(Where no daily concentrations are reported loads are estimated)

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	680	3	5.5	1160	11	34	1040	3	8.4
2	675	8	15	1210	27	88	1040	8	22
3	684	7	13	1260	12	41	1040	5	14
4	693	8	15	1300	5	18	1010	8	22
5	696	3	5.6	1300	3	11	1000	6	16
6	702	9	17	1260	13	44	1000	6	16
7	711	2	3.8	1210	9	29	968	12	31
8	720	6	12	1180	14	45	960	7	18
9	723	3	5.9	1170	--	38	960	7	18
10	726	7	14	1200	10	32	960	13	34
11	729	7	14	1310	15	53	960	9	23
12	726	3	5.9	1500	13	53	940	6	15
13	730	8	16	1600	16	69	925	8	20
14	740	8	16	1700	13	60	930	3	7.5
15	750	9	18	1710	47	217	939	8	20
16	760	2	4.1	1680	14	64	984	--	19
17	770	6	12	1600	7	30	1100	6	18
18	780	13	27	1600	7	30	1300	4	14
19	800	8	17	1600	6	26	1450	8	31
20	820	7	15	1600	8	35	1600	12	52
21	840	10	23	1600	8	35	1720	6	28
22	860	6	14	1580	8	34	1980	8	43
23	880	12	29	1500	6	24	2000	11	59
24	900	13	32	1400	5	19	2060	--	61
25	940	4	10	1320	9	32	2190	--	65
26	960	12	31	1260	--	28	2330	--	69
27	968	8	21	1220	6	20	2440	11	72
28	999	13	35	1160	8	25	2540	11	75
29	1030	8	22	1100	11	33	2650	26	186
30	1070	10	29	1040	10	28	2780	11	83
31	1110	3	9.0	--	--	--	2840	7	54
TOTAL	25172	--	506.8	41350	--	1295	46636	--	121

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

(Where no daily concentrations are reported loads are estimated)

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2790	13	98	3650	10	99	3400	4	37
2	2690	12	87	3750	10	101	4090	7	77
3	2580	28	195	3750	5	51	5230	7	99
4	2510	13	88	3700	14	140	6330	4	68
5	2470	13	87	3700	--	100	7770	5	105
6	2480	5	33	3700	6	60	9210	8	199
7	2480	8	54	3670	6	59	10200	9	248
8	2310	14	87	3700	--	50	11400	6	185
9	2500	10	68	3750	4	41	12800	7	242
10	2680	11	80	3750	7	71	13900	--	375
11	2790	9	68	3800	5	51	14100	--	495
12	2780	6	45	3860	6	63	13300	--	575
13	2780	54	405	4000	7	76	11900	--	578
14	2800	58	438	4050	9	98	10500	--	567
15	2910	7	55	4140	6	67	9160	--	495
16	3000	12	97	4190	4	45	7980	23	496
17	3090	10	83	4100	4	44	7020	--	284
18	3150	6	51	4060	6	66	6250	--	169
19	3150	7	60	3900	--	53	5640	4	61
20	3290	--	89	3800	4	41	5130	9	125
21	3300	10	89	3750	3	30	4730	--	102
22	3360	10	91	3570	11	106	4430	5	60
23	3400	39	358	3360	7	64	4190	8	91
24	3360	5	45	3160	4	34	4010	8	87
25	3350	7	63	3060	12	99	3870	6	63
26	3180	8	69	2930	5	40	3960	--	53
27	3080	4	33	2880	5	39	4250	--	57
28	3020	9	73	2960	5	40	4690	4	51
29	3100	13	109	--	--	--	5140	--	56
30	3300	9	80	--	--	--	5590	4	60
31	3510	7	66	--	--	--	6140	5	83
TOTAL	91190	--	3344	102710	--	1828	226310	--	6243

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6750	--	128	3340	8	72	2000	8	43
2	7290	10	197	3360	11	100	1820	9	44
3	7530	8	163	3380	13	119	1670	14	63
4	7370	6	119	3410	9	83	1540	12	50
5	7040	5	95	3440	11	102	1440	30	117
6	6800	8	147	3440	17	158	1360	18	66
7	6540	4	71	3350	10	90	1300	9	32
8	6220	7	118	3180	12	103	1250	11	37
9	5810	20	314	2990	10	81	1220	9	30
10	5420	10	146	2830	12	92	1190	19	61
11	5130	7	97	2660	10	72	1170	15	47
12	4880	11	145	2500	11	74	1150	12	37
13	4630	--	138	2420	13	85	1090	14	41
14	4390	--	130	2350	12	76	1080	5	15
15	4140	--	134	2290	8	49	1090	15	44
16	3910	--	127	2450	8	53	1080	7	20
17	3680	12	119	2600	5	35	1150	19	59
18	3460	13	121	2590	14	98	1310	16	57
19	3260	7	62	2520	10	68	1450	14	55
20	3090	9	75	2500	12	81	1470	10	40
21	2990	7	57	2570	14	97	1450	11	43
22	2870	5	39	2720	--	95	1430	11	42
23	2750	14	104	2820	--	99	1470	8	32
24	2940	12	95	2870	12	93	1500	20	81
25	3140	14	119	2880	9	70	1530	4	17
26	3260	14	123	2800	10	76	1560	9	38
27	3270	6	53	2640	11	78	1580	9	38
28	3280	13	115	2480	8	54	1630	11	48
29	3300	13	116	2390	10	65	1750	9	43
30	3310	11	98	2310	13	81	1930	10	52
31	--	--	--	2170	12	70	--	--	--
TOTAL	138450	--	3437	86250	--	2569	42660	--	1392

02175000 EDISTO RIVER NEAR GIVHANS, S.C.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued
(Where no daily concentrations are reported loads are estimated)

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2110	12	68	3850	8	83	5700	17	262
2	2270	15	92	4200	47	533	5260	15	213
3	2440	10	66	4400	9	107	4860	14	184
4	2610	12	85	4670	10	126	4400	12	143
5	2810	5	38	6000	3	49	4000	16	173
6	3050	23	189	6370	9	155	3580	17	164
7	3200	10	86	6200	10	167	3250	13	114
8	3380	11	100	5910	11	176	2970	16	128
9	3700	12	120	5800	8	125	2700	16	117
10	4120	13	145	5600	7	106	2550	14	96
11	4630	12	150	5400	11	160	2400	21	136
12	4980	--	134	5240	10	141	2380	14	90
13	5080	--	137	5000	9	122	2440	12	79
14	4940	--	133	4500	11	134	2370	13	83
15	4540	--	123	4080	9	99	2240	15	91
16	4010	8	87	3950	10	107	2120	16	92
17	3510	8	76	4470	14	169	1970	9	48
18	3110	--	76	6190	14	234	1700	15	69
19	2740	9	67	7860	11	233	1860	21	105
20	2430	4	26	9040	14	342	1800	--	97
21	2240	11	67	9400	12	305	1800	--	97
22	2170	14	82	9800	10	265	1750	20	95
23	2170	8	47	10000	12	324	1700	20	92
24	2230	13	78	10400	14	393	1700	22	101
25	2300	13	81	10400	12	337	1900	10	51
26	2310	15	94	10100	10	273	1900	19	97
27	2330	12	75	9400	14	355	1850	12	60
28	2420	6	39	8810	--	238	1850	15	75
29	2510	8	54	7600	6	123	1850	15	75
30	3050	11	91	6720	12	218	1900	19	97
31	3710	10	100	5980	18	291	--	--	--
TOTAL	97100	--	2806	207340	--	6490	78750	--	3324

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	1183918
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	34448.7

02175020 EDISTO RIVER AT JACKSONBORO, S.C.

LOCATION.--32°45'55", long 80°26'45", Colleton County, at bridge on U.S. Highway 17, 0.2 mile upstream from Seaboard Coast Line Railroad bridge, 0.6 mile southeast of Jacksonboro, 2.2 miles (revised) downstream from Green Meadow Creek, and at mile 33.0.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.											
23...	0900	19.0	50	--	6.8	.050	1.3	0	8	.03	--
23...	0900	19.0	51	8.6	6.8	--	--	--	--	--	24
NOV.											
18...	1310	13.0	--	--	--	.030	.4	--	--	.06	--
18...	1310	13.0	57	9.5	7.1	--	--	--	--	--	14
DEC.											
17...	1345	13.0	--	--	--	.040	.2	--	--	.06	--
17...	1345	13.0	50	9.8	7.1	--	--	--	--	--	54
JAN.											
12...	1220	10.0	--	--	--	.030	.5	--	--	.10	--
12...	1220	10.0	61	10.2	6.9	--	--	--	--	--	89
FEB.											
23...	1120	14.0	--	--	--	.010	.1	--	--	.14	--
23...	1120	14.0	64	8.6	6.9	--	--	--	--	--	60
MAR.											
24...	1120	13.0	--	--	--	.060	.4	--	--	.08	--
24...	1120	13.0	63	8.8	6.8	--	--	--	--	--	66
APR.											
20...	1135	19.5	--	--	--	.040	.4	--	--	.14	--
20...	1135	19.5	62	7.5	6.4	--	--	--	--	--	60
MAY											
12...	0830	21.0	--	--	--	.080	.4	--	--	.20	--
12...	0830	21.0	58	6.8	6.4	--	--	--	--	--	35
JUNE											
16...	0830	28.5	--	--	--	.060	1.2	--	--	.07	--
16...	0830	28.5	57	6.7	6.6	--	--	--	--	--	--
JULY											
15...	0905	25.5	58	5.7	6.4	--	--	--	--	--	35
AUG.											
27...	1015	24.5	48	5.8	6.2	--	--	--	--	--	22
SEP.											
16...	0830	25.0	59	6.9	6.5	--	--	--	--	--	--

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICRO-MHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
23...	0900	19.0	1	20	50	--	1.5	6.8	11	13	0
23...	0900	19.0	--	--	51	8.6	--	6.8	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.											
23...	2	.050	12	1	5.4	3.6	.0	0	8	261	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
23...	0	0	.3	.2	4.4	1.0	--	.03	38	.05	1.3
23...	--	--	--	--	--	--	24	--	--	--	--

02176150 COMBAHEE RIVER NEAR GREENPOND, S.C.

LOCATION.--Lat 32°49'08", long 80°41'00", Colleton County, at bridge on U.S. Highway 17, 3.0 miles downstream from Cuckolds Creek, 6.8 miles southwest of Greenpond, 10.1 miles (revised) upstream from Seaboard Coast Line Railroad bridge, and at mile 24.0.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1971.

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	COLOR (PLATINUM-COBALT UNITS)	DISSOLVED COPPER (CU) (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.										
23...	1000	19.4	11500	--	7.1	.030	.0	50	0	--
23...	1000	19.4	13000	6.8	6.9	--	--	--	--	44
NOV.										
18...	1355	15.0	--	--	--	.020	.0	60	0	--
18...	1355	15.0	24000	8.8	7.3	--	--	--	--	10
DEC.										
17...	1300	13.0	--	--	--	.000	.2	50	10	--
17...	1300	13.0	25000	9.4	7.5	--	--	--	--	32
JAN.										
12...	1340	10.5	--	--	--	.040	.8	100	110	--
12...	1340	10.5	3050	9.6	6.8	--	--	--	--	54
FEB.										
23...	1205	14.0	--	--	--	.040	.4	60	0	--
23...	1205	14.0	1400	9.4	6.8	--	--	--	--	112
MAR.										
24...	1210	13.5	--	--	--	.040	.7	120	104	--
24...	1210	13.5	400	9.2	6.8	--	--	--	--	25
APR.										
20...	1145	21.0	--	--	--	.030	.2	120	8	--
20...	1145	21.0	180	7.2	6.7	--	--	--	--	50
MAY										
12...	0905	22.0	--	--	--	.330	.6	--	0	--
12...	0905	22.0	1850	6.5	6.6	--	--	--	--	33
JUNE										
16...	0910	29.0	--	--	--	.47	.4	120	230	--
16...	0910	29.0	13500	6.0	7.1	--	--	--	--	--
JULY										
15...	0945	26.5	170	5.2	6.6	--	--	--	--	130
AUG.										
27...	1050	24.5	98	5.9	6.3	--	--	--	--	100
SEP.										
16...	0905	25.0	460	5.5	6.5	--	--	--	--	27

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
23...	1000	19.4	1	50	11500	--	1.3	7.1	49	60	0
23...	1000	19.4	--	--	13000	6.8	--	6.9	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.											
23...	5	.030	1220	1170	3740	496	.4	0	0	143	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
23...	20	0	15	.2	110	.7	--	.00	7180	9.76	.0
23...	--	--	--	--	--	--	44	--	--	--	--

02176600 BEAUFORT RIVER AT BEAUFORT, S.C.

LOCATION.--Lat 32°25'40", long 80°40'12", Beaufort County, at bridge on U.S. Highway 21, at Beaufort, and at mile 10.7.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1971 (discontinued).

CHEMICAL ANALYSES, OCTOBER 1970 TO JUNE 1971

DATE	TIME	TEMPERATURE (DEG C)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	PH (UNITS)	TOTAL PHOSPHORUS (P) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED LEAD (PB) (UG/L)	FECAL COLIFORM (COL. PER 100 ML)
OCT.									
23...	1100	21.0	41000	--	7.5	.050	.0	0	--
23...	1100	21.0	50000	8.3	7.6	--	--	--	53
NOV.									
18...	1515	15.5	--	--	--	.030	.0	0	--
18...	1515	15.5	57000	9.8	7.8	--	--	--	--
DEC.									
17...	1200	13.0	--	--	--	.060	.0	0	--
17...	1200	13.0	40000	10.1	7.9	--	--	--	10
JAN.									
12...	1500	11.0	--	--	--	.050	.1	0	--
12...	1500	11.0	50000	11.0	7.9	--	--	--	37
FEB.									
23...	1310	14.0	--	--	--	.050	.2	0	--
23...	1310	14.0	50000	10.0	7.9	--	--	--	--
MAR.									
24...	1315	13.5	--	--	--	.020	.1	0	--
24...	1315	13.5	50000	10.2	7.9	--	--	--	26
APR.									
20...	1255	21.5	--	--	--	.050	.0	0	--
20...	1255	21.5	48000	8.5	7.8	--	--	--	101
MAY									
12...	1000	23.5	--	--	--	.000	.0	6	--
12...	1000	23.5	48000	7.8	7.9	--	--	--	12
JUNE									
16...	1000	29.5	--	--	--	.050	.8	0	--
16...	1000	29.5	45000	6.6	7.9	--	--	--	--

DATE	TIME	TEMPERATURE (DEG C)	TURBIDITY (JTU)	COLOR (PLATINUM-COBALT UNITS)	SPECIFIC CONDUCTANCE (MICROMHOS)	DISSOLVED OXYGEN (MG/L)	BIOCHEMICAL OXYGEN DEMAND (MG/L)	PH (UNITS)	ALKALINITY AS CACO3 (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)
OCT.											
23...	1100	21.0	1	10	41000	--	1.4	7.5	112	136	0
23...	1100	21.0	--	--	50000	8.3	--	7.6	--	--	--

DATE	TOTAL NONFILTRABLE RESIDUE (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)	HARDNESS (CA,MG) (MG/L)	NONCARBONATE HARDNESS (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	TOTAL CHROMIUM (CR) (UG/L)	DISSOLVED COPPER (CU) (UG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED LEAD (PB) (UG/L)
OCT.											
23...	4	.050	3960	3750	16500	2250	1.1	3	0	0	0

DATE	DISSOLVED MANGANESE (MN) (UG/L)	DISSOLVED NICKEL (NI) (UG/L)	DISSOLVED ALPHA (PC/L)	SUSPENDED ALPHA (PC/L)	DISSOLVED BETA (PC/L)	SUSPENDED BETA (PC/L)	FECAL COLIFORM (COL. PER 100 ML)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L)	DISSOLVED SOLIDS (TONS PER AC-FT)	NITRATE (NO3) (MG/L)
OCT.											
23...	20	0	64	.1	370	.5	--	.00	30900	42.0	.0
23...	--	--	--	--	--	--	53	--	--	--	--

02187500 SAVANNAH RIVER NEAR IVA, S.C.

LOCATION.--Lat 34°15'20", long 82°44'42", Anderson County, temperature recorder at gaging station on left bank at downstream side of bridge on State Highway 184, 0.5 mile upstream from Little Generostee Creek, 5.8 miles southwest of Iva, and at mile 296.5.

DRAINAGE AREA.--2,231 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1951 to September 1952.
Water temperatures: October 1962 to August 1971.

EXTREMES, 1970-71.--Water temperatures: Maximum, 20.5°C Oct. 1; minimum, 5.0°C Feb. 9-17.

EXTREMES, 1962-71.--Water temperatures: Maximum, 28.0°C Aug. 24, 30, 31, 1970; minimum, 3.0°C Jan. 31, 1966.

REMARKS.--Recorder malfunctioned Nov. 18-30, 1970, Apr. 8-May 4, 1971, July 7-Aug. 16, 1971, Aug. 25-Sept. 30, 1971.

MAXIMUM TEMPERATURE (°C) OF WATER, OCTOBER 1970 TO AUGUST 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.5	16.0	---	9.5	8.0	6.5	8.0	---	10.5	10.5	---	---
2	18.0	16.0	14.5	9.5	6.5	6.5	8.0	---	10.5	11.0	---	---
3	19.5	16.0	14.5	9.5	6.0	6.5	8.5	---	10.5	12.5	---	---
4	19.5	16.0	15.0	9.0	6.0	6.5	9.0	---	10.0	13.5	---	---
5	19.0	15.0	15.0	9.0	6.0	6.0	9.5	10.0	10.5	14.0	---	---
6	17.5	15.0	14.5	9.0	6.0	6.0	9.0	10.0	12.5	14.0	---	---
7	17.5	15.5	14.0	9.0	6.0	6.0	9.0	10.0	13.0	11.5	---	---
8	17.5	15.5	13.0	8.5	5.5	6.0	---	10.0	12.0	11.5	---	---
9	17.0	15.5	13.5	8.5	5.5	6.0	---	11.0	11.5	---	---	---
10	17.5	15.5	13.5	8.5	5.5	5.5	---	11.5	10.5	---	---	---
11	19.5	15.5	13.5	8.5	5.0	5.5	---	11.5	10.5	---	---	---
12	19.5	16.0	13.5	8.5	5.0	5.5	---	10.5	10.5	---	---	---
13	16.5	16.0	13.5	9.0	5.5	6.5	---	10.5	11.5	---	---	---
14	16.5	16.0	13.5	9.0	5.5	8.5	---	10.5	12.0	---	---	---
15	17.0	16.0	12.0	9.0	5.5	9.5	---	10.5	11.0	---	---	---
16	16.5	15.5	12.0	8.5	5.0	9.5	---	11.0	10.5	---	---	---
17	16.5	14.5	12.0	8.5	5.5	9.5	---	11.5	11.5	---	12.5	---
18	16.5	---	12.0	8.5	6.0	9.5	---	10.5	12.0	---	12.5	---
19	16.0	---	11.5	8.0	6.5	9.5	---	10.5	11.0	---	12.5	---
20	16.0	---	11.5	8.0	7.0	8.5	---	10.5	12.0	---	12.0	---
21	16.0	---	12.0	8.0	7.0	7.0	---	10.0	12.5	---	12.0	---
22	16.0	---	12.0	8.0	8.5	7.0	---	10.0	11.5	---	13.0	---
23	16.0	---	11.5	8.0	8.5	8.0	---	11.5	11.0	---	13.5	---
24	16.0	---	12.0	8.0	8.5	8.0	---	11.5	10.5	---	12.5	---
25	16.0	---	12.0	8.0	8.0	7.0	---	11.0	10.5	---	---	---
26	15.5	---	11.0	8.0	7.0	6.0	---	10.5	11.0	---	---	---
27	15.5	---	10.0	8.0	6.5	6.0	---	10.0	12.5	---	---	---
28	15.5	---	9.5	7.5	6.5	6.5	---	10.0	13.0	---	---	---
29	15.5	---	9.5	7.0	---	7.0	---	10.0	11.5	---	---	---
30	15.5	---	10.0	7.0	---	8.0	---	10.5	11.0	---	---	---
31	15.5	---	10.0	8.0	---	8.0	---	11.0	---	---	---	---
MONTH	17.0	---	12.5	8.5	6.5	7.0	---	10.5	11.5	---	---	---
YEAR	11.0											

02187500 SAVANNAH RIVER NEAR IVA, S.C.--Continued

MINIMUM TEMPERATURE (°C) OF WATER, OCTOBER 1970 TO AUGUST 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.5	15.5	---	9.5	6.5	6.5	7.0	---	10.5	10.5	---	---
2	18.0	16.0	14.5	9.5	6.0	6.5	7.0	---	10.5	10.5	---	---
3	18.0	16.0	14.5	9.0	6.0	6.5	7.0	---	10.0	11.0	---	---
4	19.0	15.0	14.5	8.0	5.5	6.0	8.5	---	10.0	12.5	---	---
5	17.5	15.0	14.5	8.5	5.5	6.0	9.0	10.0	10.0	13.5	---	---
6	17.5	15.0	14.0	9.0	5.5	5.5	9.0	10.0	10.5	11.0	---	---
7	17.5	15.0	13.0	8.5	5.5	5.5	9.0	10.0	12.0	11.0	---	---
8	17.0	15.5	13.0	8.5	5.5	6.0	---	10.0	11.5	11.5	---	---
9	17.0	15.0	13.0	8.5	5.0	5.5	---	10.0	10.5	---	---	---
10	17.0	15.0	13.5	8.5	5.0	5.5	---	11.0	10.5	---	---	---
11	17.5	15.0	13.5	8.5	5.0	5.5	---	10.5	10.5	---	---	---
12	16.5	15.5	13.5	8.5	5.0	5.5	---	10.5	10.5	---	---	---
13	16.5	16.0	13.5	8.5	5.0	5.5	---	10.5	10.5	---	---	---
14	16.5	15.5	12.0	8.5	5.0	6.5	---	10.5	11.0	---	---	---
15	16.5	15.5	11.5	8.5	5.0	8.5	---	10.5	10.5	---	---	---
16	16.5	14.5	11.5	8.5	5.0	9.5	---	10.5	10.5	---	---	---
17	16.5	14.5	11.5	8.5	5.0	9.5	---	10.5	10.5	---	12.5	---
18	16.0	---	11.5	8.0	5.5	9.5	---	10.5	11.0	---	12.5	---
19	16.0	---	11.5	8.0	6.0	8.5	---	10.5	10.5	---	12.0	---
20	16.0	---	11.5	8.0	6.5	7.0	---	10.0	10.5	---	12.0	---
21	16.0	---	11.5	8.0	7.0	6.5	---	10.0	11.5	---	12.0	---
22	16.0	---	11.5	8.0	7.0	6.5	---	10.0	11.0	---	12.0	---
23	16.0	---	11.5	8.0	8.0	7.0	---	10.0	10.5	---	12.5	---
24	16.0	---	11.5	8.0	8.0	7.0	---	11.0	10.5	---	12.5	---
25	15.5	---	11.0	8.0	7.0	6.0	---	10.5	10.5	---	---	---
26	15.5	---	10.0	8.0	6.5	6.0	---	10.0	10.5	---	---	---
27	15.5	---	9.0	7.5	6.5	6.0	---	10.0	11.0	---	---	---
28	15.5	---	8.5	7.0	6.5	6.0	---	10.0	11.5	---	---	---
29	15.5	---	9.5	6.5	---	6.5	---	10.0	11.0	---	---	---
30	15.5	---	9.5	6.5	---	7.0	---	10.0	10.5	---	---	---
31	15.5	---	9.5	7.0	---	7.0	---	10.5	---	---	---	---
MONTH	16.5	---	12.0	8.0	6.0	6.5	---	10.5	10.5	---	---	---
YEAR	10.5											

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.
(Hydrologic bench-mark station)

LOCATION.--Lat 33°23'05", long 81°37'00", Aiken County, at gaging station on downstream side of bridge on U.S. Highway 278, 0.4 mile upstream from Johnson Fork Creek, and 4.6 miles southeast of New Ellenton.

DRAINAGE AREA.--87.0 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1966 to September 1971.
Sediment records.--October 1967 to September 1971 (periodic).

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE	TIME	TEMPERATURE (DEG C)	DISCHARGE (CFS)	DISSOLVED SILICA (SIO2) (MG/L)	DISSOLVED IRON (FE) (UG/L)	DISSOLVED CALCIUM (CA) (MG/L)	DISSOLVED MAGNESIUM (MG) (MG/L)	DISSOLVED SODIUM (NA) (MG/L)	SODIUM ADSORPTION RATIO	PERCENT SODIUM
OCT. 12...	1040	19.0	96	--	--	--	--	--	--	--
NOV. 23...	1230	12.5	110	7.4	188	.8	.2	1.4	.4	47
DEC. 28...	1103	10.0	104	--	--	--	--	--	--	--
JAN. 21...	1130	9.0	106	7.4	13	.4	.3	1.5	.4	53
FEB. 11...	1330	9.5	117	7.0	0	.8	.2	1.4	.4	49
MAR. 31...	1400	14.0	133	6.3	15	.4	.4	1.3	.3	46
APR. 27...	1330	18.5	126	5.2	33	.5	.6	1.4	.3	41
MAY 07...	1200	17.0	118	5.6	60	.6	.4	1.4	.3	45
JUNE 11...	1055	20.5	116	6.6	66	.6	.1	1.2	.4	55
JULY 09...	1045	21.0	129	8.1	0	.9	.3	1.3	.3	41
AUG. 20...	0815	21.5	179	7.6	0	1.3	.1	1.4	.3	41

DATE	DISSOLVED POTASSIUM (K) (MG/L)	BICARBONATE (HCO3) (MG/L)	CARBONATE (CO3) (MG/L)	ALKALINITY AS CACO3 (MG/L)	DISSOLVED SULFATE (SO4) (MG/L)	DISSOLVED CHLORIDE (CL) (MG/L)	DISSOLVED FLUORIDE (F) (MG/L)	NITRATE (NO3) (MG/L)	DISSOLVED ORTHO PHOSPHATE (PO4) (MG/L)	TOTAL PHOSPHORUS (P) (MG/L)
OCT. 12...	--	--	--	--	--	--	--	--	--	--
NOV. 23...	.5	3	0	2	.0	2.4	.0	.5	--	.000
DEC. 28...	--	--	--	--	--	--	--	--	--	--
JAN. 21...	.5	5	0	4	.0	2.2	.0	.3	--	.000
FEB. 11...	.3	2	0	2	.8	1.8	.0	.6	.00	--
MAR. 31...	.5	2	0	2	.4	2.2	.1	.7	--	.000
APR. 27...	.5	2	0	2	1.2	1.8	.0	.8	--	.000
MAY 07...	.5	2	0	2	.4	2.4	.0	.7	--	.000
JUNE 11...	.2	2	0	2	.0	2.2	.0	.6	--	.000
JULY 09...	.4	2	0	2	.4	2.8	.1	.0	.06	--
AUG. 20...	.5	4	0	3	1.2	2.0	.1	.1	.03	--

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER DAY)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	COLOR (PLAT-INUM-COBALT UNITS)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
OCT. 12...	--	--	--	--	--	--	--	--	--
NOV. 23...	17	14	5.05	.02	3	1	5	--	--
DEC. 28...	--	--	--	--	--	--	--	--	--
JAN. 21...	20	14	5.72	.03	2	0	5	--	.6
FEB. 11...	17	14	5.37	.02	3	1	5	.04	.8
MAR. 31...	20	13	7.18	.03	3	1	10	--	.7
APR. 27...	13	13	4.42	.02	3	2	10	--	.2
MAY 07...	8	13	2.55	.01	3	2	10	--	--
JUNE 11...	19	13	5.95	.03	2	1	10	.00	1.7
JULY 09...	25	15	8.71	.03	4	2	5	.02	--
AUG. 20...	33	16	15.9	.04	4	0	10	.04	--

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	SPECI-FIC COND-UCTANCE (MICRO-MHOS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)
OCT. 12...	1040	19.0	96	13	8.9	6.1	540
NOV. 23...	1230	12.5	110	17	9.9	6.3	1000
DEC. 28...	1100	10.0	104	12	11.2	6.5	270
JAN. 21...	1130	9.0	106	15	11.6	5.9	118
FEB. 11...	1330	9.5	117	19	9.8	6.5	--
MAR. 31...	1400	14.0	133	15	10.5	5.5	171
APR. 27...	1330	18.5	126	16	9.5	5.9	--
MAY 07...	1200	17.0	118	16	9.1	5.9	445
JUNE 11...	1055	20.5	116	15	8.3	5.4	2000
JULY 09...	1045	21.0	129	15	8.1	5.8	503
AUG. 20...	0815	21.5	179	17	7.9	5.8	2000

02197300 UPPER THREE RUNS NEAR NEW ELLENTON, S.C.--Continued

CHEMICAL ANALYSES, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971--Continued

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	ALDRIN (UG/L)	ALDRIN IN BOTTOM DE-POSITS (UG/KG)	LINDANE (UG/L)	LINDANE IN BOTTOM DE-POSITS (UG/KG)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDD IN BOTTOM DE-POSITS (UG/KG)
NOV. 23...	1245	12.5	110	.00	<.20	.00	<.20	.00	.00	<.20

DATE	DDE (UG/L)	DDE IN BOTTOM DE-POSITS (UG/KG)	DDT (UG/L)	DDT IN BOTTOM DE-POSITS (UG/KG)	DI-ELDRIN (UG/L)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG)	ENDRIN (UG/L)	ENDRIN IN BOTTOM DE-POSITS (UG/KG)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG)
NOV. 23...	.00	<.20	.00	<.20	.00	<.20	.00	<.20	.00	<.20

DATE	HEPTA-CHLOR EPOXIDE (UG/L)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG)	MALA-THION (UG/L)	PARA-THION (UG/L)	DI-AZINON (UG/L)	METHYL PARA-THION (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
NOV. 23...	.00	<.20	.00	.00	.00	.00	.00	.00	.00

DATE	TIME	TEMP-ERATURE (DEG C)	DIS-CHARGE (CFS)	TOTAL FILT-RABLE RESIDUE (MG/L)	TOTAL NON-FILT-RABLE RESIDUE (MG/L)	DIS-SOLVED GROSS ALPHA AS U-NAT. (PC/L)	SUS-PENDED GROSS ALPHA AS U-NAT. (PC/L)	DIS-SOLVED GROSS BETA AS CS-137 (PC/L)	SUS-PENDED GROSS BETA AS CS-137 (PC/L)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L)
DEC. 28...	1100	10.0	104	15	4	.7	.4	3.1	.8	.71

INSTANTANEOUS SUSPENDED SEDIMENT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DATE		TIME	DISCHARGE (CFS)	CONCEN-TRATION (MG/L)	SUSPENDED SEDIMENT DISCHARGE (TONS/DAY)
OCT	12, 1970	1100	96	5	1.3
NOV	23......	1235	110	7	2.1
DEC	28......	1100	104	4	1.1
JAN	21, 1971	1140	106	4	1.1
FEB	11......	1345	117	5	1.6
MAR	31......	1415	127	4	1.4
APR	27......	1345	126	6	2.0
MAY	7......	1215	118	4	1.3
JUNE	11......	1110	116	5	1.6
JULY	9......	1100	129	8	2.8
AUG	20......	0820	179	7	3.4

PART 3. GROUND WATER RECORDS

AIKEN COUNTY

331940N0814435.1. (LA-4) U.S. Atomic Energy Commission, Savannah River Plant, Aiken. Drilled unused artesian well in sands of the Tuscaloosa Formation. Diam. 8 in.; depth 605 ft. Casing to 605 ft; screens at 390-400, 455-465, 590-600 ft; lsd 357 ft above msl; MP top of casing at lsd. Highest water level 144.82 ft on Feb. 23, 1966; lowest water level 153.94 ft on May 29, 1957. Records available: 1955-71.

DAILY WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	153.81	153.54	153.53	153.60	153.61	153.52	153.52	153.37	153.46	153.37	153.20	152.98
2	153.84	153.50	153.61	153.72	153.84	153.44	153.42	153.30	153.50	153.23	153.18	153.08
3	153.87	153.56	153.70	153.70	153.94	153.24	153.38	153.30	153.66	153.20	153.15	153.14
4	153.83	153.61	153.73	153.54	153.89	153.36	153.32	153.38	153.70	153.24	153.10	153.10
5	153.83	153.66	153.75	153.53	153.75	153.56	153.22	153.46	153.62	153.20	153.10	153.00
6	153.85	153.73	153.68	153.66	153.60	153.51	153.12	153.48	153.54	153.14	153.14	152.92
7	153.83	153.72	153.75	153.76	153.46	153.35	153.16	153.46	153.50	153.12	153.14	152.88
8	153.84	153.62	153.88	153.74	153.28	153.36	153.25	153.38	153.45	153.21	153.08	152.93
9	153.86	153.54	153.94	153.63	153.56	153.50	153.30	153.28	153.42	153.26	153.07	152.96
10	153.90	153.52	153.92	153.54	153.83	153.50	153.24	153.33	153.46	153.21	153.12	152.92
11	153.86	153.54	153.86	153.52	153.92	153.52	153.21	153.43	154.52	153.12	153.16	152.85
12	153.83	153.53	153.74	153.59	153.82	153.54	153.16	153.36	153.53	153.06	153.20	152.78
13	153.92	153.56	153.66	153.66	153.58	153.45	153.08	153.27	153.43	153.10	153.26	152.76
14	153.94	153.59	153.71	153.69	153.50	153.32	153.06	153.41	153.37	153.12	153.24	152.80
15	153.93	153.66	153.76	153.60	153.58	153.24	153.13	153.44	153.42	153.13	153.14	152.88
16	153.92	153.65	153.[illegible]	153.63	153.67	153.28	153.15	153.39	153.54	153.17	152.95	152.98
17	153.93	153.79	153.54	153.46	153.79	153.40	153.12	153.43	153.62	153.21	152.86	153.03
18	153.84	153.75	153.66	153.20	153.89	153.52	153.15	153.50	153.62	153.18	152.98	152.96
19	153.79	153.73	153.70	153.28	153.86	153.46	153.12	153.58	153.60	153.14	153.08	152.89
20	153.70	153.65	153.66	153.52	153.72	153.34	153.12	153.56	153.49	153.13	153.12	152.87
21	153.69	153.66	153.57	153.66	153.58	153.33	153.04	153.57	153.39	153.15	153.06	152.92
22	153.72	153.60	153.52	153.61	153.42	153.30	153.10	153.59	153.33	153.19	152.95	152.99
23	153.72	153.45	153.52	153.53	153.46	153.29	153.12	153.55	153.30	153.26	152.88	153.02
24	153.65	153.60	153.50	153.44	153.61	153.39	153.08	153.52	153.35	153.25	152.92	152.98
25	153.55	153.79	153.47	153.37	153.70	153.42	153.10	153.53	153.42	153.18	152.96	152.94
26	153.59	153.74	153.37	153.36	153.68	153.32	153.13	153.54	153.41	153.14	152.95	152.96
27	153.68	153.62	153.30	153.50	153.62	153.41	153.20	153.56	153.36	153.20	152.94	152.98
28	153.73	153.49	153.29	153.63	153.56	153.25	153.16	153.54	153.31	153.26	152.96	152.96
29	153.74	153.42	153.40	153.68	-------	153.14	153.16	153.50	153.36	153.26	152.98	152.90
30	153.72	153.40	153.50	153.59	------	153.22	153.16	153.44	153.38	153.23	153.01	152.84
31	153.67	------	153.58	153.48	------	153.40	------	153.42	------	153.24	152.96	------

331320N0814405.1. (S-411) U.S. Atomic Energy Commission, Savannah River Plant, Aiken. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 2 in.; depth 270 ft; casing to 265 ft. Lsd about 157.53 ft above msl; MP top of casing 17.82 ft above lsd. Highest water level 12.01 ft on Apr. 17, 1964, lowest 10.10 ft on Sept. 10, 1956. Partial records available: 1953-71.

DAILY NOON (1200) WATER LEVEL MEASUREMENTS ABOVE LAND-SURFACE DATUM, DECEMBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1				10.72	10.74	10.99		11.23				
2				10.66	10.65	11.11	11.57	11.22		11.30		
3				10.65	10.63	11.32	11.53	11.20		11.38		
4				10.71	10.69	11.28	11.54	11.13	11.14	11.33		
5				10.74	10.85	11.45	11.52	11.13	11.16	11.34		
6				10.75	10.82	11.76			11.16		11.29	
7					10.95	12.01		11.20	11.13			
8				10.69	11.06	12.01	11.30	11.19	11.15			11.62
9				10.75	10.88	11.97	11.24	11.20	11.19	11.36		
10				10.73	10.87	11.97	11.27	11.15		11.37		11.49
11				10.73	10.92	11.93	11.26	11.13	11.20	11.40		11.49
12				10.72	11.00	11.97	11.20	11.20		11.42		11.52
13				10.68	11.07	11.94	11.25				11.40	11.51
14					10.91	11.88	11.26	11.25			11.36	11.49
15				10.80	10.89	11.82		11.26			11.34	11.44
16					10.85	11.68	11.31			11.38	11.36	11.40
17					10.80	11.65	11.29			11.34		11.40
18					10.79	11.51	11.25		11.24	11.32		11.41
19					10.82	11.60	11.24		11.24	11.33		11.42
20					10.88		11.28		11.26	11.31	11.73	11.41
21					10.89		11.32	11.37	11.28	11.31	11.73	11.39
22				10.74	10.95			11.36	11.30		11.73	11.35
23				10.76	11.03		11.28	11.35		11.32	11.70	11.32
24				10.76	10.94		11.34	11.30		11.31	11.62	11.30
25				10.80	10.92		11.31	11.28	11.29		11.58	11.29
26				10.84	10.93	11.52	11.31	11.26	11.34			11.40
27				10.77	11.01	11.49	11.29	11.25			11.64	11.40
28					10.96	11.63		11.32				11.30
29				10.82	------	11.82		11.34				11.27
30				10.88	------	11.78	11.26	11.32		11.37		11.28
31		------	10.82	10.89	------		------		------			------

NOTE.--No records available for days left blank.

BEAUFORT COUNTY

321551N0804910.3. (Bf-215) Victoria Bluff near Hilton Head Island. Drilled observation well in Ocala limestone. Diam. 6 in.; depth 300 ft; casing to 100 ft; open hole below casing. Lsd 23 ft above msl; MP 1.46 ft above lsd. Elevation of MP 23.41 above msl. Highest water level 23.14 ft on Sept. 10, 1971; lowest water level 24.99 ft on Aug. 1, 1971. Records available: 1970-71.

DAILY WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.36	23.76	24.39	24.22	24.51	23.81	24.10	24.06	24.30	24.80	24.97	24.03
2	24.36	23.75	24.40	24.31	24.62	23.70	24.26	24.06	24.39	24.87	24.95	23.98
3	24.38	23.80	24.43	24.23	24.53	24.22	24.25	24.16	24.46	24.89	24.86	23.92
4	24.48	23.97	24.44	24.14	24.39	24.22	24.10	24.24	24.52	24.78	24.83	23.87
5	24.52	24.18	24.52	24.15	24.25	24.08	23.96	24.33	24.52	24.73	24.81	23.82
6	24.46	24.23	24.50	24.26	24.28	24.05	24.13	24.39	24.54	24.74	24.74	23.77
7	24.37	24.19	24.57	24.22	24.14	24.30	24.19	24.42	24.60	24.77	24.64	23.73
8	24.28	24.24	24.60	24.12	24.00	24.34	24.20	24.43	24.63	24.77	24.64	23.67
9	24.21	24.18	24.55	23.98	24.40	24.16	24.22	24.43	24.65	24.77	24.64	23.61
10	24.24	24.03	24.57	24.05	24.56	24.16	24.27	24.41	24.65	24.74	24.63	23.56
11	24.25	24.02	24.54	24.11	24.49	24.12	24.26	24.37	24.51	24.72	24.60	23.57
12	24.19	23.95	24.47	24.14	24.29	24.02	24.39	24.27	24.40	24.71	24.57	23.62
13	24.16	23.97	24.55	24.17	24.24	24.03	24.42	24.23	24.31	24.64	24.54	23.71
14	24.14	23.95	24.61	24.13	24.58	24.03	24.43	24.45	24.30	24.54	24.50	23.79
15	24.15	24.09	24.54	24.16	24.55	24.08	24.41	24.36	24.37	24.56	24.41	23.87
16	24.18	24.30	24.27	24.28	24.58	24.25	24.33	24.28	24.46	24.68	24.36	23.97
17	24.25	24.30	24.41	24.09	24.63	24.27	24.41	24.32	24.45	24.77	23.91	24.01
18	24.25	24.22	24.50	24.00	24.63	24.06	24.41	24.30	24.46	24.83	24.10	24.01
19	24.22	24.25	24.48	24.03	24.54	24.29	24.40	24.29	24.46	24.83	24.16	24.01
20	24.05	24.23	24.54	24.28	24.44	24.43	24.32	24.25	24.43	24.91	24.21	24.02
21	24.04	24.36	24.52	24.35	24.39	24.33	24.23	24.21	24.38	24.95	24.21	24.05
22	24.07	24.28	24.53	24.32	24.20	24.25	24.27	24.10	24.33	24.92	24.18	24.05
23	24.12	24.28	24.52	24.32	24.18	24.21	24.20	24.09	24.33	24.83	24.22	24.07
24	24.12	24.58	24.58	24.30	24.28	24.07	24.08	24.12	24.42	24.78	24.24	24.06
25	24.06	24.60	24.45	24.22	23.89	23.89	24.18	24.15	24.46	24.82	24.14	24.02
26	24.07	24.57	24.54	24.10	23.87	24.00	24.19	24.23	24.53	24.84	24.04	23.99
27	24.02	24.32	24.45	24.38	23.94	23.89	24.14	24.25	24.64	24.90	23.98	24.00
28	23.91	24.51	24.44	24.39	23.89	23.82	24.02	24.19	24.72	24.91	24.11	23.97
29	23.83	24.47	24.29	24.36	-------	23.90	24.13	24.12	24.73	24.90	24.16	23.90
30	23.81	24.41	24.20	24.25	------	23.98	24.14	24.16	24.77	24.87	24.09	23.86
31	23.77	------	23.93	24.27	------	24.06	------	24.24	------	24.90	24.06	------

GPO 804-891

321724N0803856.0. (Bf-217). Lands End, St. Helena Island. Drilled unused observation well in Ocala limestone. Diam. 4 in.; depth 130 ft; casing depth 104 ft; open hole; lsd about 8 ft above msl; MP top of casing 4.0 ft above lsd. Water level affected by tides. Highest water level, 3.96 ft on Mar. 28, 1971; lowest, 8.53 ft on Feb. 14, 1971. Records available: 1971.

DAILY WATER LEVELS BELOW MEASURING POINT, JANUARY TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1					7.22	6.45	6.52	6.28	6.59	6.83	6.98	6.34
2					7.19	6.39	6.62	6.39	6.68	7.02	6.85	6.21
3					6.90	6.40	6.80	6.63	6.76	6.86	6.70	6.14
4					6.75	7.25	6.67	6.62	6.76	6.57	6.67	6.12
5					6.68	6.85	6.36	6.84	6.78	6.58	6.64	6.08
6					6.69	6.66	6.37	6.93	6.73	6.63	6.53	6.06
7					6.44	6.82	6.82	6.95	6.79	6.72	6.45	6.04
8					6.49	7.13	6.71	6.94	6.83	6.86	6.52	5.95
9					7.16	7.00	6.74	6.84	6.89	6.88	6.53	5.86
10					7.24	6.73	6.83	6.63	6.73	6.88	6.57	5.77
11					7.01	6.75	6.84	6.56	6.46	6.88	6.55	5.83
12					6.74	6.64	6.92	5.54	6.48	6.89	6.54	5.95
13					7.20	6.51	7.08	6.89	6.54	6.65	6.41	6.10
14					7.38	6.58	7.07	6.97	6.59	6.57	6.27	6.15
15					7.19	6.62	6.83	6.67	6.62	6.64	6.20	6.21
16					7.19	6.72	6.78	6.77	6.65	6.81	6.16	6.31
17					7.09	7.02	6.97	6.76	6.51	6.91	6.20	6.34
18					7.08	6.74	6.85	6.74	6.51	6.95	6.43	6.32
19					6.92	6.67	6.68	6.67	6.55	6.98	6.54	6.31
20					6.84	7.23	6.60	6.61	6.59	7.15	6.65	6.30
21					6.74	7.15	6.47	6.57	6.62	7.10	6.68	6.32
22					6.44	6.99	6.59	6.25	6.57	6.92	6.64	6.27
23					6.60	6.86	6.29	6.33	6.60	6.77	6.79	6.27
24					6.66	6.51	6.32	6.44	6.74	6.77	6.70	6.21
25					6.46	6.24	6.57	6.60	6.78	6.85	6.48	6.09
26					6.35	6.27	6.62	6.74	6.90	6.94	6.31	6.08
27					6.47	6.31	6.46	6.73	7.02	7.06	6.26	6.05
28					6.55	6.19	6.43	6.63	6.98	6.95	6.34	5.88
29				6.95	------	6.33	6.59	6.46	6.87	6.93	6.56	5.75
30				7.03	------	6.35	6.55	6.54	6.84	6.86	6.48	5.79
31		------		7.08	------	6.35	------	6.58	------	6.93	6.45	------

NOTE.--No records available for days left blank.

GEORGETOWN COUNTY

332654N0791850.0 (Geo-326) Georgetown Rural Water District near Georgetown. Drilled unused artesian well in sands of Peedee and Black Creek Formations. Diam. 10 in.; depth 748 ft; casing depth, 748 ft. Screened at 490-520, 580-660, 720-740; gravel packed; MP top of casing 2.5 ft above lsd; lsd 22 ft above msl. Highest water level 84.85 ft on Oct. 31, 1970; lowest water level 88.60 ft on June 30, 1971. Records available: 1970-71.

DAILY WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	85.36	84.90	85.42	85.51	85.52	85.64	86.89	86.70	87.17	88.57	86.41	85.38
2	85.39	84.91	85.44	85.58	85.63	85.61	86.87	86.70	87.25	88.54	86.39	85.39
3	85.41	84.92	85.46	85.58	85.64	85.50	86.91	86.70	87.31	88.46	86.37	85.39
4	85.47	84.93	85.41	85.53	85.58	85.60	86.94	86.79	87.36	88.45	86.34	85.40
5	85.52	84.94	85.48	85.48	85.49	85.68	86.87	86.84	87.38	88.41	86.32	85.42
6	85.54	85.00	85.46	85.53	85.51	85.62	86.73	86.86	87.44	88.33	86.30	85.43
7	85.53	85.03	85.56	85.54	85.45	85.55	86.77	86.91	87.52	88.29	86.26	85.44
8	85.50	85.06	85.61	85.53	85.37	85.63	86.83	86.92	87.57	88.28	86.24	85.43
9	85.48	85.09	85.60	85.44	85.51	85.71	86.86	86.95	87.60	88.22	86.21	85.41
10	85.49	85.03	85.60	85.46	85.61	85.71	86.84	87.03	87.68	88.16	86.18	85.40
11	85.50	85.01	85.61	85.45	85.63	85.74	86.85	87.07	87.78	88.09	86.12	85.41
12	85.50	84.99	85.59	85.46	85.56	85.82	86.80	87.04	87.83	87.97	86.05	85.41
13	85.49	85.00	85.64	85.49	85.43	85.84	86.74	86.95	87.84	87.80	86.00	85.41
14	85.49	85.02	85.74	85.46	85.56	85.91	86.73	87.03	87.89	87.65	85.97	85.44
15	85.47	85.03	85.77	85.38	85.61	85.95	86.73	87.02	87.99	87.54	85.89	85.50
16	85.48	85.12	85.66	85.45	85.65	85.99	86.73	86.93	88.05	87.48	85.74	85.56
17	85.56	85.14	85.63	85.37	85.71	86.10	86.74	86.96	88.17	87.37	85.69	85.60
18	85.57	85.13	85.71	85.33	85.74	86.23	86.73	86.99	88.18	87.28	85.66	85.63
19	85.56	85.16	85.71	85.39	85.73	86.18	86.77	87.01	88.17	87.15	85.72	85.66
20	85.45	85.12	85.71	85.49	85.69	86.23	86.71	87.02	88.20	87.08	85.70	85.70
21	85.25	85.18	85.70	85.49	85.70	86.36	86.64	86.98	88.23	87.02	85.65	85.74
22	85.20	85.17	85.67	85.44	85.66	86.40	86.63	87.00	88.26	86.95	85.59	85.78
23	85.19	85.12	85.63	85.41	85.64	86.43	86.64	87.06	88.33	86.88	85.58	85.82
24	85.19	85.26	85.63	85.44	85.71	86.56	86.56	87.10	88.40	86.82	85.46	85.84
25	85.08	85.35	85.58	85.42	85.74	86.66	86.62	87.10	88.45	86.74	85.38	85.89
26	85.07	85.35	85.60	85.32	85.74	86.55	86.63	87.13	88.64	86.69	85.38	85.91
27	85.09	85.34	85.58	85.41	85.67	86.66	86.67	87.14	88.50	86.64	85.34	85.94
28	85.10	85.36	85.60	85.44	85.60	86.69	86.59	87.08	88.53	86.60	85.35	
29	85.08	85.38	85.58	85.46	------	86.66	86.63	87.02	88.57	86.53	85.38	85.98
30	85.01	85.36	85.57	85.39	------	86.73	86.66	87.03	88.59	86.48		85.98
31	84.89	------	85.45	85.37	------	86.83	------	87.08	------	86.46		------

NOTE.--No records available for days left blank.

GPO [illegible]

334037N0785426.0. (REVISED) (Ho-35) City of Myrtle Beach. Drilled unused artesian well in Peedee and Black Creek Formations. Diam. 8 in.; depth 456 ft. Casing depth 454 ft; gravel packed; lsd about 25 ft above msl; MP top of casing 1.0 ft above lsd. Water level affected by distant pumping. Highest water level, 12.25 ft on Apr. 21, 1958; lowest, 52.40 ft on Aug. 15, 1968. Records available: 1956-1971.

DAILY WATER LEVELS BELOW MEASURING POINT, MARCH TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1							30.93	31.16	32.71	34.42	35.82	34.50
2							30.93	31.02	32.83	34.40	35.84	34.29
3							31.10	30.98	32.92	34.46	35.95	34.35
4							31.16	31.14	33.07	34.43	36.00	34.47
5							31.13	31.18	33.20	34.51	35.93	34.32
6							30.97	31.25	35.34	34.63	35.99	34.40
7							30.98	31.28	33.47	34.71	35.99	34.44
8							31.02	31.29	33.55	34.82	36.06	34.45
9							30.97	31.31	33.70	34.92	36.07	34.47
10							31.06	31.36	33.78	35.02	36.07	34.48
11							31.17	31.40	33.84	35.04	36.06	34.51
12							31.27	31.41	33.73	35.11	36.06	
13							31.37	31.42	33.71	35.09	36.30	
14							31.45	31.49	33.86	35.08	36.40	
15							31.50	31.53	33.99	35.11	36.48	
16							31.55	31.51	34.14	35.17	36.28	
17							31.65	31.53	34.14	35.22	35.92	
18							31.75	31.51	34.08	34.97	35.84	
19							31.81	31.53	33.83	35.01	35.07	
20							31.79	31.59	33.86	35.06	34.36	
21							31.79	31.59	33.90	35.09	34.31	
22						29.50	31.81	31.67	33.95	35.11	34.37	
23						29.54	31.79	31.83	34.04	35.14	34.51	
24						29.63	31.79	31.94	34.12	35.11	34.55	
25						29.64	31.63	31.92	34.17	35.10	34.67	
26						29.67	31.62	32.02	34.23	35.17	34.70	
27						30.28	31.62	32.20	34.32	35.53	34.65	
28						30.51	31.47	32.35	34.34	35.61	34.65	
29						30.58	31.33	32.38	34.32	35.68	34.66	
30					------	30.64	31.24	32.47	34.35	35.73	34.66	
31		------			------	30.84	------	32.55	------	35.77	34.65	------

NOTE.--No records available for days left blank.

SUMTER COUNTY

335602N0820480.0. (Su-69) City of Sumter municipal well field. Drilled unused artesian well in sand of Late Cretaceous age. Diam. 18 in; depth 805 ft; casing depth 618 ft; screened 525-608. Lsd about 176 ft above msl, MP top of concrete pad 0.5 ft above lsd. Highest water level, 47.12 ft on Dec. 26, 1970, lowest, 75.75 ft on June 10, 1971. Records available: 1970-71.

DAILY WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1		57.65	62.99	56.42	55.76	53.53	59.35	59.07	64.85	72.71	61.27	65.97
2		60.07	64.17	53.61	56.37	57.37	60.16	53.95	65.78	73.96	64.03	
3		61.24	64.47	55.15	57.37	58.42	55.05	56.40	68.34	64.56	65.62	
4		62.48	62.19	57.91	58.10	59.01	51.26	59.25	69.95	58.64	65.76	
5		33.74	57.19	60.99	58.51	59.82	52.87	60.90	70.83	63.00	65.40	
6		63.29	57.97	61.37	53.37	56.96	57.93	63.01	67.41	63.83	66.29	
7		57.94	60.54	60.84	53.19	50.85	60.78	63.39	68.29	60.54	64.28	
8		59.65	62.76	58.37	57.10	52.96	60.34	58.39	72.29	56.80	59.81	
9		62.98	64.60	54.25	58.08	58.10	56.64	51.33	74.50	58.11	64.33	
10		63.62	64.03	55.75	59.05	61.18	54.38	55.44	71.60	61.43	67.32	
11		64.34	62.73	58.56	59.00	61.47	50.48	60.47	71.39	37.85	66.93	
12		64.34	58.80	60.86	57.28	60.16	54.36	61.85	71.02	61.40	66.71	
13		63.08	59.10	61.18	52.76	57.18	58.80	62.43	68.77	63.57	67.62	
14		58.49	62.53	61.56	54.36	52.43	61.22	61.60	69.38	64.67	64.54	
15		58.81	62.83	58.80	59.39	53.48	61.37	61.37	70.30	64.65	58.99	
16		61.64	62.90	53.89	58.66	55.43	62.97	54.73	71.12	65.08	58.98	
17		63.45	62.44	54.39	59.86	55.51	61.36	57.38	70.10	64.44	62.62	
18		63.81	59.78	57.64	61.73	56.96	57.40	59.17	69.10	62.58	64.18	
19		64.55	56.00	60.10	58.03	57.40	58.49	62.35	66.44	63.23	64.57	
20		60.84	57.00	62.62	52.68	55.16	63.34	63.89	61.18	64.92	66.76	
21		56.07	58.52	61.25	55.64	50.44	63.79	65.45	62.79	64.44	61.11	
22		58.35	58.30	59.02	59.94	51.33	63.03	60.24	65.40	66.20	56.07	
23		61.95	55.79	53.88	62.42	55.26	64.25	55.83	68.59	70.21	60.31	
24		64.54	52.07	55.08	61.32	59.66	56.42	58.18	70.05	67.41	61.99	
25	53.56	62.00	50.26	57.02	60.90	58.44	50.43	62.44	70.05	61.11	63.10	
26	53.55	61.15	49.24	58.11	59.87	57.41	53.60	63.23	68.33	61.39	65.34	
27	61.91	60.25	53.79	59.81	56.83	54.33	58.91	65.68	62.60	64.39	65.55	
28	62.52	55.70	56.27	59.30	51.37	49.77	60.18	67.78	63.59	66.71	63.57	
29	62.70	57.85	58.56	55.56	------	49.56	62.96	60.80	68.64	67.65	61.52	
30	60.68	62.29	59.24	51.00	------	54.74	64.70	57.67	70.82	66.55	66.22	
31	56.81	------	58.00	52.68	------	57.48	------	59.01	------	64.27	70.09	------

NOTE.--No records available for days left blank.

GPO 904-461

334529N0794819.0. (Wil-29) Baxter Labs, Kingstree. Drilled unused artesian well in sands of the Late Cretaceous age. Diam. 20 in.; depth 927 ft; casing to 900 ft; screened interval 196-900 ft; lsd about 59 ft above msl. MP top of recorder platform, 1.55 ft above lsd. Elevation of MP 60.55 ft above msl. Highest water level 73.90 ft on Aug. 2, 1971; lowest water level 148.33 ft on Oct. 8, 1970. Records available: 1969-71.

DAILY WATER LEVELS BELOW MEASURING POINT, WATER YEAR OCTOBER 1970 TO SEPTEMBER 1971

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	140.58	126.17	103.51			92.79	89.32			95.06	74.87	
2	137.95	127.45	104.38			92.48	91.68			93.72	74.04	
3	145.12	123.00	103.73			92.12				92.68	75.26	
4	144.04	120.49	102.40			91.62				91.36	76.63	
5	138.64	118.86	100.62			92.05				90.25	77.34	
6	137.07	122.16	129.56			92.52				89.23		
7	135.28	122.65				91.50				89.12		
8	145.27	120.27				91.67				89.55		
9	139.10	122.28				92.19				90.16		
10	132.08	121.50				92.83				89.70		
11	127.18	120.76				92.84				88.36		
12	125.04	119.45				92.95				88.66		
13	125.71	114.82				93.37				89.64		
14	127.67	112.37				92.03				91.49		
15	129.97	109.12				91.03				92.06		
16	129.49	108.83				91.60				90.77		
17	127.01	109.21				90.77			90.28	89.41		
18	124.56	109.61				90.30			90.31	87.56		
19	122.48	110.23				89.54			89.72	86.75		
20	121.27	114.11				88.32			88.25	85.06		
21	124.11	114.36				87.34			87.59	83.62		
22		114.49				87.77			88.65	82.36		
23		112.03				88.75			91.63	81.41		
24		111.08			99.60	87.78			93.68	80.45		
25		110.14			98.76	87.37			94.09	78.84		
26		110.30			97.38	87.13			94.17	77.58		
27		107.49			96.12	87.60			93.05	77.37		
28	125.78	105.84			94.31	88.47			93.67	77.13		
29	126.71	104.67			------	89.17			95.55	77.06		
30	126.98	103.93			------	89.29			95.99	77.07		
31	125.76	------			------	89.12	------		------	76.62		------

NOTE.--No records available for days left blank.

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